



Esprit

**European Strategic Programme
for Research and Development in
Information Technology**

The Project Synopses

Index of Projects and Programme Overview

Volume 1 of a series of 8

September 1989

**Directorate General XIII
Telecommunications, Information Industries and Innovation
Commission of the European Communities**

The Project Synopses
Index of Projects and Programme Overview
Volume 1 of a series of 8

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LEGEND

EC MEMBER STATES

B	Belgium
D	Federal Republic of Germany
DK	Denmark
E	Spain
F	France
GR	Greece
I	Italy
IRL	Ireland
L	Luxembourg
NL	The Netherlands
P	Portugal
UK	United Kingdom

EFTA MEMBER STATES

A	Austria
CH	Switzerland
ISL	Iceland
N	Norway
S	Sweden
SF	Finland

ROLES

M	Main Contractor
C	Coordinator
P	Partner
S	Sub-Contractor
A	Associate Contractor

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INFORMATION TECHNOLOGY: A STRATEGIC SECTOR OF THE EUROPEAN ECONOMY

Information Technology (IT) is one of the fastest developing areas of industrial activity, with annual growth-rates in IT markets expected to continue at a high rate into the 1990s. It is not only a major industry in itself, but also contributes significantly to the operation of most economic sectors.

The convergence of IT with the increasingly deregulated telecommunications and broadcasting sectors is enabling an intangible product, information, to become one of the leading international commodities and a key element of the global economy. Furthermore, IT is rapidly becoming a driving force for social change, with far-reaching applications in such areas as education, health care and transport. Information technology is therefore of vital importance to Europe, both in renewing the competitiveness of established sectors and in the new opportunities it offers for a population rich in information-handling skills.

For Europe to make the most of these opportunities requires strategic action at the Community level. The Commission, in close consultation with national administrations throughout the EC, is providing both a framework, comprehensive enough for such strategic action, and the mechanisms and infrastructure for successful transnational cooperation. The blueprint for a revitalised European information technology community was established in the mid-1980s with the European Strategic Programme for Research and Development in Information Technology - ESPRIT.

ESPRIT - A STRATEGY FOR THE EUROPEAN INFORMATION TECHNOLOGY (IT) INDUSTRY

Background

Information Technology (IT) is one of the fastest developing and most significant areas of industrial activity. IT is a major industry in its own right, and has a major impact on competitiveness and employment in the economy as a whole. At the beginning of the 1980s European suppliers were in a weak position in several sectors, even to supply the European market, which represents a substantial segment of the global trade in IT; and the condition of the European IT industry in general was giving cause for concern, with decreasing market share leading to low levels of R&D and reduced capital investments.

To reverse this trend something substantial had to be done. It was generally recognised that concerted action at the European level was the only practical way forward: fragmented national markets were too small to provide the economies of scale required for effective competition, national companies could not expand sufficiently in their home market alone, and national policies were over-oriented towards national markets.

ESPRIT (European Strategic Programme for Research and Development in Information Technology) was defined after a thorough analysis undertaken in close consultation with industry in the early 1980s. Officially launched in 1984 as a 10-year programme divided into two 5-year phases, ESPRIT has the following three objectives:

- to provide European IT industry with the basic technologies needed to meet the competitive requirements of the 1990s
- to promote European industrial cooperation in IT
- to pave the way for standards.

ESPRIT I

The total R&D effort of ESPRIT I, the first phase of the programme, amounted to 1500 million ECU, 50% of which was met from the Community budget, the other 50% by programme participants.

The programme, implemented by projects selected from public calls for proposals and based upon an annually updated work-plan, comprises collaborative precompetitive research and development projects, carried out across frontiers by Community companies, universities and research institutes. Under ESPRIT I, 226 projects were launched, each containing at least two independent industrial partners from different EC member states. 3000 engineers and scientists have

worked full-time on ESPRIT I projects, coming from 400 independent organisations. 130 of the 226 projects have provided a total of 166 major results. Of these, 42 have contributed directly to products or services currently available on the market; 48 have contributed directly to products or services being developed for the market but not yet commercially available; 46 are being used outside the ESPRIT project, either within the organisation concerned or in another organisation (technology transfer); another 30 have contributed to standardisation.

ESPRIT II

The second phase of the ESPRIT programme was initiated in 1988, before the completion of ESPRIT I. It is a larger scale operation, but still preserves the mechanisms already established - the cost-sharing between Community and partners, the consensus-building, the work-plan and the on-going assessment principle. The total budget of ESPRIT II is 3200 million ECU, of which 50% is allocated from the research budget of the Community and which is estimated to represent about 5% of R&D expenditure in the IT industry. However, relative to the precompetitive part of R&D its share is much larger, and it has played an important catalytic role in stimulating the growth of total R&D investment.

The programme consists of projects and actions in the areas of:

- Microelectronics and Peripheral Technologies (MEL)
- Information Processing Systems (IPS), including software technology and advanced information processing
- IT applications technologies, including Office and Business Systems (OBS) and Computer-Integrated Manufacturing (CIM)
- Basic Research (BR), focusing on microelectronics, computer science, and artificial intelligence and cognitive science.

Project Synopses

This volume, the first in a set of eight, contains introductions to each area of the programme and indexes to the projects and actions in both ESPRIT I and II. The other volumes in the set are:

- 2 Microelectronics (MEL)
- 3 Information Processing Systems (IPS) - ESPRIT I
- 4 Information Processing Systems (IPS) - ESPRIT II
- 5 Office and Business Systems (OBS)
- 6 Computer Integrated Manufacturing (CIM)
- 7 Information Exchange System (IES)
- 8 Basic Research Actions (BR).

They can be obtained from the address on page 181.

MICROELECTRONICS AND PERIPHERAL TECHNOLOGIES (MEL)

INTRODUCTION

In the first phase of ESPRIT, 49 projects were launched in the domain of microelectronics and peripheral technologies (MEL), and these are either already completed or near completion. In the second phase of ESPRIT, 30 projects have already been launched. The MEL synopses, in volume 2 of this set, provide a brief description of the objectives, the technical content and the updated state of advancement of each project. A list of partner names, a technical contact address, as well as the starting date and the duration, are also given.

General Overview

The competitiveness of the European Community in all advanced areas of information technology depends on mastery of state-of-art semiconductor technology supported by computer-aided design (CAD) capability. The market for integrated circuits (ICs) is expected to approach 60 BECU by 1992 and some 20% to 30% of this will be for application-specific integrated circuits (ASICs) required by electronic systems producers to reach optimised solutions and protect proprietary architectures.

A very substantial part of the work performed within ESPRIT addresses the specific needs of this latter strategic sector. Other areas covered include Compound Semiconductor Devices and ICs, Optoelectronics, and Peripherals.

The ESPRIT projects listed in the MEL volume can, in very general terms, be classified under four sub-areas, according to the functionalities pursued:

- 1) High-Density Integrated Circuits
- 2) High-Speed Integrated Circuits
- 3) Multifunction Integrated Circuits
- 4) Peripheral Technologies.

Within each sub-area, individual projects address issues related to technology, CAD, manufacturing equipment and materials.

The key topics covered by each sub-area can be summarised as follows:

- 1) The High Density sub-area covers a number of linked topics: integration of design and production for the fast turn-around of prototype ASICs, advanced technology for chip fabrication, application-specific architecture compilation, CAD integration and standards, VLSI validation and test, and equipment for integrated circuit manufacture.

- 2) Advances in the High Speed sub-area are required (on Silicon Bipolar and/or GaAs technologies) for such IT application areas as telecommunications, mobile radio and computers. The topics addressed are packaging, CAD and process development, with the aim of establishing a European capability for systems applications where substantial improvements in speed and packing density are mandatory for penetration of world markets.
- 3) The topics covered by the Multifunction Integrated Circuits sub-area include non-volatile memory macrocells, mixed analogue-digital circuits, three-dimensional ICs, optoelectronics, and smart power technology. All require combining, on a single chip, design and process functions which would normally be developed and optimised independently. The ability to manufacture a multifunction IC therefore presents a significant challenge in the integration of different materials and design constraints to achieve costs and performances which are competitive to a multi-chip approach.
- 4) The Peripherals sub-area covers technologies where the potential business impact is seen to be greatest, building on existing strengths in Community IT industries. Included are high density magnetic mass storage, magneto-optical drives, large-area flat-panel displays and electro-thermal ribbon technologies.

INFORMATION PROCESSING SYSTEMS (IPS)

ESPRIT I

INTRODUCTION

Volume 3 of this set contains information on 94 projects supported both within the Software Technology and Advanced Information Processing areas of the first phase of the ESPRIT programme. The entry against each provides a summary of the objectives together with information on the progress made and results obtained. Further information can be obtained from the person indicated on the project sheet.

Software Technology

From its outset in 1984, the objective of this part of the ESPRIT programme has been to encourage the development of a scientific basis for software engineering from which a range of industrial practices can be designed and implemented.

The approach has been primarily one of viewing the software development process in the wider context of complex system development. This has ensured that the collaborative, precompetitive research and development actions of the ESPRIT programme have addressed the real problems faced by today's software industry in Europe, particularly the production of high quality software products and improving the productivity of the software development process.

To achieve these dual goals, the Software Technology programme has concentrated on four key subareas:

(i) Theories, Methods and Tools

The definition and development of rigorous design methods and the development of the appropriate support tools. The work covers formal methods (formal in the mathematical sense) and informal techniques, and the appropriate use of knowledge engineering techniques.

(ii) Management and Industrial Aspects

The development of techniques for project management and production management. The complexity of many software development projects is such that they require the coordination of large development teams, the production and revision of large amounts of documentation and code, the use of distributed computing facilities, etc. Appropriate techniques are therefore needed for resource management, documentation control, configuration management and version control.

(iii) Common Environment

Clearly, the information which is generated during each phase of the development process needs to be stored in a relevant form, not only for easy access by the design team and the project managers, but also for the appropriate relationships to be maintained between the various design descriptions produced as the design proceeds. To provide the mechanism for this "object management", a common utility is necessary which provides the relational database mechanism and the relevant common interfaces for design tools, project management tools, user access, etc. This common environment provides the framework within which many of the results of the Software Technology programme can be integrated to form industrial systems. Within the subarea the first generation environment, based on the entity relationship model, has already produced common interface definitions which have entered the international standardisation process, and industrial systems are available. Next generation systems, eg incorporating knowledge engineering techniques, are under development.

(iv) Evaluation and Demonstration

Proper evaluation of the environment, methods and tools within industrial contexts is crucial for the industrial take-up of results of the programme. Therefore, a number of projects have been launched to provide cost-benefit data on the use of these systems in industry.

Advanced Information Processing

The objective of this part of the ESPRIT programme has been to develop the necessary technologies for the implementation of the next generation of computing systems, by supporting three main lines of action:

- the development and application of knowledge engineering techniques;
- the development of new computer architectures for symbolic and numeric processing, and fault-tolerant systems;
- the development of advanced system interfaces for effective communication between computing systems, the computer and its environment, and the computer and the user.

Priority has been given to consolidating and accelerating the industrialisation of the results emerging from the projects. Results have been achieved particularly in the knowledge engineering and computer architecture projects, where a firm base is being built for the future enhancement and exploitation of these technologies and techniques by European industry.

The Advanced Information Processing programme has concentrated on three key sub-areas:

(i) Knowledge Engineering

The development and application of knowledge-based systems. The approach adopted has been to:

- develop the methods and techniques for knowledge acquisition and knowledge representation;
- develop application-independent knowledge-based system shells, supporting languages and user interfaces;
- develop domain-specific systems;
- evaluate knowledge-based systems in the industrial environment.

(ii) New Computer Architectures

The development of high-performance computers capable of processing symbolic and numerical information, concentrating on highly parallel architecture machines.

Such computers will provide the computing capacity needed as the results of knowledge engineering work and advanced man-machine interfaces become embedded in a wide range of applications, eg CAD and office systems.

(iii) Advanced Systems Interfaces

The work has concentrated primarily on image processing, natural language understanding and speech processing, and is complemented by studies of multi-sensor operation.

INFORMATION PROCESSING SYSTEMS (IPS)

ESPRIT II

INTRODUCTION

Volume 4 of this set contains information on the 47 projects currently supported within the Information Processing Systems area of the second phase of the ESPRIT programme. The entry against each provides a summary of its objectives. In the main, these projects have commenced work over the period from late 1988 up to May 1989, and consequently it is too early to report on results. Further information can be obtained from the person indicated on the project sheet.

The Information Processing Systems sector is the result of merging two ESPRIT I areas, Software Technology and Advanced Information Processing. This merger is the result of the experience gained in the management of the ESPRIT I projects. It was also one of the recommendations from the mid-term review board. From a technical point of view, it has helped with the development of a global system approach: software developers, computer architects and knowledge-engineering experts are now working together.

The main objective of the Information Processing Systems (IPS) sector is to provide the industrial technology required for the development of the IT products likely to emerge onto the market in the 1990s. To support this objective, the programme of work defined within this sector is aimed at the management and control of system complexity, reducing development and operational costs, and improving the quality, reliability and performance of systems. Against this background, the drive towards systems engineering and a true systems approach to IT product development is gaining momentum.

In order to provide a manageable workprogramme and maintain a sensible continuity with ESPRIT I, IPS has been divided into five subareas (Systems Engineering, Knowledge Engineering, Advanced Systems Architectures, Human-Computer Interfaces and Sensor-Based Systems). However, it is clear that these are not wholly separate areas for R&D.

1. Systems Engineering

European enterprises are now critically dependent on the quality and relevance of the IT systems that they develop. Increasingly, the emphasis of these systems has switched from one of cost reduction to one concerned primarily with competitive advantage or the provision of high quality services.

The advent of 1992 will bring with it new dimensions of opportunity and competition. The competitive advantages offered by the use of IT will, for most industrial and service sectors, be a major focus of concern. It is essential that Europe can continue to conceive, design and build the IT systems that support

the drive of its industry to fully exploit the opportunities offered in a single European market, post-1992, and for the supporters of this drive to win increasing shares of the global markets that they serve.

In such systems the software component is becoming the dominant cost element. At the beginning of the decade it accounted for approximately 45% of total costs; by the end it is estimated that this will have risen to just short of 80%.

However, if Europe is to derive the greatest benefit from its scarce resources in skilled manpower, there is a need to stimulate the take-up of industrial-quality methods and tools; to support the skills base needed to deploy these effectively; and to bridge the gap between the "state of the art" and "current practice". The emphasis in this subarea is, therefore, on two major themes: Systems Engineering Technology Development, and Technology Transfer and Consolidation.

2. Knowledge Engineering

The speed at which European industry is able to fully utilise knowledge engineering technologies will have a significant impact on competitiveness in the 1990s and beyond.

The need for effective use of knowledge-based systems (KBS) in real-time environments is evident for many application domains. To date, work on KBS has reached the stage where the underlying principles of these systems are reasonably understood. Their role in decision support in non-time-critical areas has been established, and products are now emerging rapidly. The real-time domain, however, places very onerous demands on KBS and the underlying technologies - not least of which are speed of execution and speed of data retrieval. Within ESPRIT work has begun to address the major topics in this area, but it has now become necessary for European industry to launch the process of embedding real-time KBS into its next generation of products.

Emphasis is also put on the definition of more sophisticated development environments for KBS, addressing the issue of the next generation of expert system shells.

As the technology matures it will become more important to ensure rapid use of the results of the knowledge engineering programme. This will require experiments within a controlled industrial environment.

3. Advanced System Architectures

System architecture affects all aspects of Information Technology and Information Processing. It influences and is influenced by all related areas, from functionality on silicon, through man-machine interfaces and human factors, to software. This topic is of primary importance because of its basic role for the efficient

implementation of IT systems, either in terms of execution speed or in terms of development cost.

The future performance requirements for computers will not be met simply by developing ever faster processing elements. There is, therefore, a continuing requirement for the efficient application of increased levels of computational concurrency, and this needs to be addressed both by the development of highly parallel and distributed processor architectures and operating systems, and by the availability of application software capable of effectively using the degree of concurrency offered by these machines.

4. Human-Computer Interfaces

A Human-Computer Interface (HCI) is a bridge between the human user and a (possibly very complex) technical computing system. HCIs need to match the requirements and capabilities of the user and enable the optimum use of the resources of the system. An HCI addresses not only the professional, but also, with increasing emphasis, the inexperienced user. In addition, a well-designed HCI has a high multiplier effect on the market penetration of products and services.

The ESPRIT subarea for HCIs encompasses Speech, Graphics and Hypermedia, Natural Language and Dialogue, and Interaction Principles.

5. Sensor-Based Systems

This part of the programme concerns the integration of sensors, signal processing, and understanding and control systems, into a unified architecture. Real-time capabilities are given a high priority. Modular approaches, both in hardware and software, are expected to lead to standardisation. Development tools that display powerful simulation facilities will be progressed.

The IPS Projects

The projects listed in Volume 4 are part of a developing portfolio that will increasingly reflect the more broadly based systems interests of the IPS sector while supporting the more detailed aims noted for each of the generic technology subareas identified above. In many cases, they will build on the results obtained so far in ESPRIT I projects and identified in volume 3. In all cases they will aim to establish an increased emphasis on "marketplace" and "industrialisation" issues.

OFFICE AND BUSINESS SYSTEMS (OBS)

INTRODUCTION

The world market for Office and Business systems (OBS) is estimated to be around 240 billion ECU by the early 1990s. More than one in three (36%) of white collar workers already use a personal computer or workstation, and this figure will rise to almost one in every two (45%) by 1991, and more than that (52%) by 1993. These machines will increasingly be networked. Local area networks are currently growing at around 20 to 25% per year, 20 to 50% of them will be interconnected within a few years, and there is increasing demand for high-bandwidth (2 Megabits per second) links to support workstation interconnection and services such as high-speed fax, remote database access, videoconferencing and videotelephony.

Improvements to the user interface, and standardisation at the applications level as well as at the lower levels, will facilitate use of these systems by a broader range of people for a broader range of functions, reducing the need for training, and improving end-user productivity.

The growth in office and business systems could more than double the productivity of management and other office workers by the end of the 1990s, and affect businesses and administrations accounting for more than 50% of the Gross Domestic Product in industrialised countries.

In addition, IT systems will increasingly find their way into the home, a market which represents some 110 million households in Europe alone.

Office and business systems, and the emerging applications in the home, represent a major route for the exploitation of R&D on basic technologies in the microelectronics, information processing, and other areas. In the world of the 1990s, they represent an essential bridge between the technologies and their application.

Main Work in Hand

39 projects (about 3000 person-years of effort) are in hand under ESPRIT II, complementing the 48 projects launched under ESPRIT I. They are described in Volume 5 of this eight-volume set.

The overall strategic aim of the work currently in hand is to take advantage of emerging opportunities in office and business systems by facilitating the application of new technologies from the microelectronics, communications and information-processing domains. The work covers integrated office and business applications, as well as their underlying enabling technologies and communications environments. In addition, in recognition of the growing importance of systems designed for application in the home, work is currently

underway on the formulation of communications and control standards which will allow the development of multi-vendor and multi-applications products for private homes. The aim here is to facilitate the uptake of IT in consumer products and, in the longer term, to facilitate the emergence of "intelligent buildings".

The development of effective integrated office and business systems requires appropriate architectures and software tools, covering a wide range of domains and a broad range of functions from document handling through to decision support. Illustrative of this work is the development of the "Office Document Architecture (ODA)" (eg. Project 1024), which provides standards for the exchange of documents and which has been widely adopted by the IT industry within and beyond ESPRIT.

Successful integration of complex application systems into the day-to-day operation of a user organisation requires methodologies and tools which both enhance productivity and at the same time help to match the systems being developed to the real business needs of the organisation concerned. Work on these aspects of the problem is illustrated by the projects on an "Intelligent Business Support System" (IBASS) (Project 1573), on "Tools for Designing Office Systems (TODOS)" (Project 813), and, focusing on the needs of public administrations, on "Advanced and Integrated Office Systems Prototypes for European Public Administrations (ASTRA)" (Project 831).

In regard to specific technologies, a key point of focus has been the work on workstations and information servers. The workstation is playing an increasing role in office and business systems, and a concerted R&D effort is needed if the European IT industry is to gain ground on the lead taken by the US and the effort which is now being put into this area by Japan. Current work here is aimed at laying the foundations for later developments which can help to put the European IT industry into a competitive position. Work has focused on developing solutions to the problems of security, handling of multimedia documents, application of artificial intelligence, effective interfacing with the paper-based systems of current environments, design of the user interface, and other fundamental problems that need to be tackled before advanced workstations can be built. Projects such as MULTIWORKS (Project 2105), SPIRIT (Project 2484) and EWS (Project 2569), among others, are developing prototypes which will demonstrate many of the technologies that are needed. It will be important in the next stage of R&D to build upon this foundation work in order to help the industry move a step further towards a competitive position in this highly dynamic and increasingly important market sector.

With the rapid growth in the number of personal computers, and now with workstations and advanced information servers, organisations are increasingly interested in networking as a way of utilising these machines to maximum advantage, linking them into larger systems, and exploiting the possibilities they open up for resource-sharing, communications, and support of team-work at departmental, divisional and other organisational levels, including the support of enterprise-wide functions. The increasing loads put on business networks will

require higher bandwidth, such as can be achieved using optical technologies, and illustrated in the work on a "Local Integrated Optical Network (LION)" (Project 169). Organisations to date have concentrated on setting up relatively small networks for particular purposes, but are increasingly interested in linking these together, and building upon them to develop much larger networks supporting multi-media communication for a wider variety of business needs. The need for effective interworking between different networks covering a broad site is being addressed by work on a "Broad Site Local Wideband Communication System (BWN)" (Project 73).

Effective use of larger and more complex networks will increasingly depend upon distributed systems which can draw on the resources of different kinds of machines (eg. micros, minis, mainframes) as and when required. In such systems, a single application may make use of several different programs held on different machines, and data spread over yet further machines, different aspects of the work being done concurrently. Important progress in tackling this problem has been made in several projects, including the work on methods and tools for the "CONstruction and MANagement of Distributed Office Systems (COMANDOS)" (Project 834). This work has made contributions to the OSF (Open Software Foundation) Programme, to ISO (International Standards Organisation) standards, and to ODP (Open Distributed Processing) standards. It will be important for the next stage of R&D to build upon these achievements.

In the projects indicated above, and in the many other projects which have made complementary or supporting contributions, fundamental problems of applying the basic technologies involved to office and business applications have been tackled and important foundations have been laid for the next stage of R&D. This next stage must build upon the achievement so far, focusing in particular on integrating the results from different areas in order to help build more complete systems that can be applied to the needs of modern business and other enterprises.

Priorities for Future Work

The next phase of R&D in Office and Business Systems needs to take account of the market and technological changes which have been occurring over the last five years, and to concentrate on those market and technology "hot spots" where focused R&D can have maximum effect. Three major areas of "hot spots" can be identified: workstations, communications and networks, and integrated applications.

The market for workstations is currently growing at around 60% per year (compared with less than 5% per year for mainframes, and similarly low growth for other mature market segments), making it one of the most significant areas of growth, and reflecting a restructuring of the computer market. The dynamic characteristic of this market comes from a combination of two main factors: users are demanding more, and technological developments (for example, in hardware

components and operating systems) are making it possible to deliver more at a competitive price. As a result, the traditional distinctions between personal computers, workstations, and minicomputers are breaking down as users are increasingly demanding from their desktop computers what was previously only associated with workstations, and as the workstations now coming on to the market start to take on many of the characteristics previously associated only with minicomputers. Significant changes have occurred over the last two or three years, and even more significant developments can be expected in the next generation.

Along with increasing power, more sophisticated user interfaces, and other developments to the stand-alone desktop machine, a second key trend has emerged: the movement away from stand-alone machines towards the use of machines which are networked together to provide communications within and between departments and other organisational entities, facilitating the sharing of resources on the networks and supporting concurrent distributed processing. This has put increasing pressure on conventional networks, and is encouraging the development of more sophisticated networks which are faster, have better security, and are significantly more advanced in other respects than the networks of today. Again, the pressure comes from user demands combined with technological developments (for example, in high-speed transmission media such as optical fibre) which make it possible to meet those demands in ways that are economically viable.

As interest in networking has developed, so there has been increasing awareness of the possibilities for using office and business systems to support not only the work of individual users, but of people working together in teams, including people who are currently mobile or who could become so given proper technological support. User organisations are increasingly demanding systems which can support the work of whole departments or divisions within an organisation, and to support functions which span the whole enterprise.

These three trends provide a framework within which the following priorities can be identified.

There is increasingly a need for a systems approach. In particular, workstations and communications need to be considered together as part of an overall networked system designed to support the working together of people and organisational units within an enterprise. Links to public networks providing communications between different enterprises, and between widely separated units within a single enterprise, need to be provided for.

There is a need for integration throughout the system. There needs to be increasing degrees of compatibility between applications software, operating system software, and the underlying hardware infrastructure, so that applications can run smoothly on different machines in different parts of an enterprise. There also needs to be increasing degrees of compatibility between the different components of the networks supporting the enterprise, so that information can be

easily transferred, processed on different machines, and printed as and when required from different printers. Mobile workers need to be integrated into the overall system so that they can access the resources of the network as easily as people working from fixed locations. It must be possible to "retrofit" new networks to existing systems without having to scrap the vast amounts of hardware and software in which many organisations have already invested, and it needs to be possible to allow a network to grow without major redesign.

There need to be international standards so that global enterprises and enterprises moving into new parts of the world can maintain a coherent and consistent approach to their office and business systems, without having to solve problems of incompatibility between different standards in different countries. Standardisation also facilitates the interworking of products from different vendors, allowing customers a choice of vendors. This is especially important in Europe, where there is a rich variety of vendors who in combination, but not individually, offer products across the whole range of user needs. Reliance on proprietary standards would mean that customers could not satisfy the whole range of their needs by using European products unless they were prepared to develop ad hoc solutions to the interworking and compatibility problems involved. Standardisation means that customers can "mix and match" products from different vendors according to their particular needs, confident that the products will work together smoothly as components in a higher-level system.

Against this background, the following specific topics are seen to be especially important.

R&D on workstations needs to focus on the three kinds of workstation which currently set the scene for the next generation. These are: at the high end, the technical and scientific workstation; at the low end, an entry-level workstation for use in the home and in education; and, in response to the increasing demand for technology to support mobile working, the mobile workstation, with its special requirements in terms of communications, ergonomics, and other aspects.

Work on communications and networks needs to look at the critical issues which are emerging in regard to speed, security and other factors in evolving networks, especially networks designed for large areas.

The successful integration of developments in these areas into integrated applications that can serve the business needs of enterprises requires R&D across a number of topics, including the development of architectures, methods and tools, as well as specific techniques and implementations. Work is needed at a number of levels, from support for cooperative teamwork in a distributed environment, through support for particular organisational functions such as data processing, through to support for enterprise-wide applications, and integrated applications in non-business contexts (especially the home).

COMPUTER INTEGRATED MANUFACTURING (CIM)

INTRODUCTION

The Computer Integrated Manufacturing (CIM) area relates to the total range of computer integrated manufacturing activities including computer-aided design (CAD), computer-aided engineering (CAE), computer-aided manufacturing (CAM), flexible machining and assembly systems, robotics, testing, and quality control. The area has been selected for its potential impact on the methods and economies of production, which are strongly geared to success specifically for the IT industries, and for manufacturing industry in general. The world market for CIM products was established as 37 BECU in 1987 and is expected to rise to 64 BECU in 1993.

The main objective of the CIM subprogramme of ESPRIT is to expand the Community share of the market for Computer Integrated Manufacturing to a dominant level in the European market and to achieve a significant penetration of non-EC markets. In addition it is expected that the CIM programme will help to accelerate the modernisation process in a wide range of industries, from discrete parts production to continuous processes, thus improving the competitiveness of the European manufacturing industry.

To work towards this objective, 39 projects have been launched under ESPRIT II to consolidate and extend the advances made by the 32 ongoing and completed CIM projects in ESPRIT I.

The synopses of ESPRIT CIM projects, contained in Volume 6 of this set, provide a brief description of the objectives, the technical content and the updated state of progress of each project. A list of partner names and a technical contact address, as well as the starting date and the duration, are also given. This volume provides an index of the synopses of projects (including those already terminated) listed in increasing project number order. A cross-reference list of projects identifiable by acronym is also provided.

Overview of the CIM Programme

The ESPRIT strategy is based on three concurrent and interrelated lines of attack. These are:

- to identify integration paths based on open systems concepts and to develop the associated methods and tools
- to develop subsystems capable of exploitation within this framework
- to demonstrate the success of this approach and its benefits by early implementation in a wide range of production environments.

The joint involvement of both vendors and leading-edge users is fundamental to the success of the programme.

The work is divided into the following R&D topics:

1. CIM Architecture and Communications

The ESPRIT strategy is to pursue an approach to integration based on the concept of open systems interconnection (OSI), ie non-proprietary architectures based on the principle that components must be able to interconnect and interwork within a coherent, comprehensive and complete framework which is itself capable of supporting systems evolution. The resultant architectures and protocols, developed, validated and refined in ESPRIT, will be made progressively available to Community manufacturers and systems builders.

2. Manufacturing Systems Design and Implementation

There is a need for methods and tools which reduce the present high costs and long lead times for the design, implementation and optimisation of systems and subsystems, including batch and continuous process plants, factory layouts and shop floor control systems. The methods and tools to be developed should exploit recent advances in AI techniques which provide support to the system designer and increase the number of automatic design procedures available to him or her. The developments should also take into account the necessary verification steps for the design phases.

3. Product Design and Analysis Systems

The product design process is changing rapidly under the influence of IT and there is potential for adopting a new integrated approach to design in order to replace today's fragmented methods. The product model should be the nucleus of future design and analysis systems, and the model should be closely integrated with the main pre-production planning activities, thus eliminating redundancies between the design and production processes.

4. Management and Control of Manufacturing Processes

A unified approach to the control of production would bring considerable advantages to the flexibility and economics of manufacturing. Present systems do not achieve the required degree of integration, although significant advances have been made in ESPRIT, where work on cell and shop floor level control is already underway. Current work on an open system architecture will also support the development of unified systems.

5. Robotics and Shop Floor Systems

The integration of robots and handling systems for materials, parts and tools is currently one of the major problems faced by both vendors and users and it lies on the critical path to achieving fully automated systems in most manufacturing domains. To realise fully the potential of robotic and other shop floor systems, further work towards integrated systems using developments within the overall architectural framework for CIM is required on the IT-based components of these systems. The restructuring of control algorithms and their implementation in specialised hardware is fundamental to success in this area.

INFRASTRUCTURE ACTION: INFORMATION EXCHANGE SYSTEM (IES)

THE ESPRIT COMMUNICATIONS INFRASTRUCTURE - IES

The Council decision on ESPRIT required that, in addition to the work defined in the main technical areas, supporting infrastructural actions be taken, particularly that an Information Exchange System (IES), be implemented to ensure that the execution and management of the research and development projects were properly supported and that appropriate dissemination was given to their results.

The general policy adopted hinges around the gradual development and availability of Open Systems Interconnection (OSI)-conformant computer communications products and is split into three parts :

- 1) The provision of services to the ESPRIT community.
- 2) Support for developments conforming to the International Standards Organisation (ISO) standards for OSI.
- 3) Harmonisation of standards implementations and other related Europe-wide research networking activities, in order to allow for interworking.

As part of the policy of supporting and accelerating migration to OSI, development activities were actively stimulated by the IES in order to provide OSI-conformant tools for IES users and service providers and to encourage the acceptance of OSI amongst European manufacturers. The overall objective was that in those areas where standards were sufficiently mature, products which would be of potential benefit to IES would be available in a time-frame allowing support to be given to other ESPRIT R&D projects.

The IES infrastructural actions, described in Volume 7 of this set, were also intended to supply working services to be used by the information technology R&D community. Within one month of the initial pilot projects starting (the first project began on 12 July 1983), ESPRIT had an operational electronic mail and conferencing system available called EuroKom, based on work under the European Cooperation in the field of Scientific and Technical research (COST) 11 programme. The system is used regularly by a significant proportion of the ESPRIT community and is growing rapidly as a means of:

- Projects communicating amongst themselves.
- Projects coordinating with the Commission of the European Communities.
- Dissemination of information about ESPRIT norms, standards, institutional news and conference calendars in many different fields.

THE ESPRIT BASIC RESEARCH ACTIONS (BR)

INTRODUCTION

There is a growing consensus that supporting basic research in Information Technology (IT) is a solid investment whose payback, even if it does not come in the form of short-term industrial applications, will be great. Such research, carried out at universities, research institutes and industrial research laboratories, serves the dual role of providing new knowledge and helping to ensure the future availability of high-calibre scientists and engineers. Both are key elements in the long-term ability of Europe to compete in global markets.

Research ideas conceived without thought to applications have often led to technological developments with major industrial, economic and social impact, and now provide essential tools for IT and all engineering areas that rely on a capability for rapid and massive computing and automated logical inference.

The importance of basic research is amply recognised in the USA and a recent Congress bill (aimed at "maintaining US supremacy in computer science") increases funding of basic research in computer science and high performance computing to a rate of about \$100M annually, in addition to an approximately equal sum provided by the US Department of Defence through DARPA.

Public funding of basic research in national programmes in Europe has shrunk in inverse proportion to the growing emphasis on industrially oriented research. In the light of this, the ESPRIT Basic Research Actions represent a modest effort to ensure that the reservoir of knowledge and skills needed for the continued health of industrial R&D will keep being replenished. The aim is to provide an opportunity for international collaboration at the European level and to enable research efforts, often inter-disciplinary, that would otherwise be too ambitious to undertake.

BASIC RESEARCH IN ESPRIT II

The preparation of the ESPRIT Basic Research Actions started in 1987 through meetings attended by top European researchers representing a broad range of research interests. These contributed to a consensus on the range of areas to be covered and the cooperative schemes needed to carry out the work. The following objectives were established:

- to support collaborative fundamental research in selected IT areas
- to increase the involvement of leading research teams in ESPRIT.

It was agreed not to spread available resources too thinly over all possible areas of interesting, or even exciting, research; areas had to be selected. The main criteria used to select the areas that define the scope of the Basic Research Actions were established as:

- that they should have the potential to produce future breakthroughs or important advances even though they might not have any immediately visible applications
- that they should fall in areas where collaborative research on a European scale brings added value
- that they should be clearly upstream from main ESPRIT precompetitive R&D.

The first call for proposals was announced on March 25, 1988. By the closing date (13 June), about 300 proposals were received, requesting total funding of 485 MECU, and representing a research effort in excess of 1 BECU. They involved about 1400 participants from universities (74%), research establishments (20%), and industry (6%).

This response was much larger than had been anticipated. Furthermore, the proposals were generally of a very high quality and involved most European teams working in the forefront of basic IT research. The large number of proposals meant that only those of exceptional quality could be funded.

After evaluation by the Commission and recommendations by the ESPRIT Management Committee and by the ESPRIT Advisory Board, 61 proposals involving 285 different organizations were selected. In addition, 13 proposals were joined in working groups and given limited support to facilitate cooperation through travel and workshops. In total, a funding level of 63 MECU is expected to cover work over a 30-month period.

OVERVIEW OF LAUNCHED ACTIONS

A brief description of the work launched in each of the three main areas follows, giving an indication of the actions launched in each.

Microelectronics (MEL)

In the area of microelectronics, 26 actions and 2 working groups have been launched. Many different disciplines are needed to come together for the launched actions, including physics, organic, inorganic and physical chemistry, electronic engineering, material science, and metallurgy. Experimental, theoretical and integrated approaches are presented to tackle the long-term research needs. The main targets of the actions are:

Low-Noise and High-Speed Devices through the use of low temperatures, including fabrication and validation of low dimensional structures, and through new high T_c superconducting materials. The latter comprises studies of lattice dynamics, the influence of impurities, and the preparation and characterisation of films and single crystals.

Fundamental In-Depth Studies of Structures based on silicon III-V and II-VI compounds or other advanced substrates, exploring quantum effects or tailoring of electrical properties.

Nanometre-Scaling of Circuits amongst other fabrication techniques through realisation of organic molecule assemblages. The electrical properties of organics are under investigation. Carrier transport control and electronic switching capabilities are receiving major emphasis.

Preparation of Superfast and Massively Parallel Computing Systems developing optoelectronic elements and other related optical devices.

Next-Generation Design Systems Development of Formal Methods and Algorithms, covering formal verification, behavioural synthesis, real-time VLSI, architecture optimisation, and power timing optimisation.

Computer Science (CS)

A total of 15 actions and 6 working groups have been launched. The actions provide a broad and coherent coverage of basic research in computer science and should provide results of wide applicability. A sub-area not sufficiently covered is that of architectures; this may reflect a gap in the computer science scene in Europe to be addressed in the near future.

Formal Systems: The two main components of the foundation of computer science, logic and algebra, are addressed, providing the framework for the development of specification and verification techniques and programming languages.

Concurrent Systems: The actions launched in this area investigate the relationships between competing schools and theories trying to provide an adequate framework for the description and analysis of concurrent systems. The aim is the unification of these theories (eg logics, languages, models) towards their application in specification and verification tools.

Specification and Verification: Actions cover the design of a specification language with the necessary system support, the use of logics as a foundation for specification techniques in concurrent systems, and ultimately a complex system, which is amenable to automatic verification and deals with multiprogramming and real-time.

Algorithms and Integration of Programming Styles: The efforts in this domain are focused on the definition of high-level declarative programming languages, and the challenge of integrating aspects of functional, logic and object-oriented programming is taken up.

Dependability, Data Bases and Distributed Computing: Actions cover the prototyping of an integrated systems architecture, and the software technology

to provide integrated database services and programming language capabilities. Concepts underlying design decisions and development techniques for assessing, predicting and validating dependability are dealt with in a unified manner.

Artificial Intelligence and Cognitive Science (AI/CGS)

A total of 20 actions and 5 working groups have been launched. The actions are classified into sub-areas, but individual projects may span more than one of them and also have close connections with computer science and microelectronics.

Robotics and Vision: The issues of uncertainty, of representation of space and movement, and of adequate functioning in real-world domains are addressed by trying to understand the characteristics of systems that deal with natural environments.

Neural Networks: The actions deal with problems such as the development of suitable hardware (VLSI) implementations of neural networks and a deeper understanding of the relationship between classical AI and CS techniques and neural network techniques.

Knowledge Representation: Actions deal with computer-aided tutorial environments, uncertain reasoning, automated deduction in non-standard reasoning, and the building of a framework for a reflective system able to reason about its own competence and to apply its knowledge flexibly.

Speech and Natural Language Processing: Some actions address the ultimate goal of robust, speaker-independent recognition of continuous speech, exploring neural network techniques and natural speech production, while others address large multi-lingual knowledge bases, the integration of speech and natural language, and the handling of discourse.

Formal Theories of Automated Manufacture: The major need for a unification of the field's fragmented theoretical foundations is addressed, aimed at formalising a conceptual model of product design, production and production management.

Human-Computer Interaction: Actions cover computer modelling of users interacting with computers, cognitive modelling and investigation of user behaviour in the laboratory, and cognitive modelling of user behaviour in complex IT work domains.

CONCLUSIONS

Volume 8 of this set contains a first description of the actions launched. The actions themselves, taken as a whole, provide a coherent coverage of the

intended areas, and a broad range of interdisciplinary links. They are carried out by teams of very high quality.

Looking into the future, the tasks set are to maintain dynamically the coverage of key areas, to reinforce interdisciplinary links which open new ways of looking at major problems, to ensure that the scarce qualified manpower needed for basic research is available, and to make certain that the results of research are transferred downstream to industrial research.

Concerning the latter aim, that of technology transfer, stronger links between industry and academia need to be established, and the form and suitability for transfer of Basic Research results must match the speed of their dissemination. To this end:

- A workshop will be held by each action once a year. Invitations to workshops will be issued to participants in other relevant Basic Research Actions as well as to other industrial researchers who could provide feedback on the suitability of results for addressing industrial problems.
- Some workshops will encompass activities of several actions in related areas. They will also act as focal points for the development of special training schemes on emerging topics where qualified research manpower is scarce.

The actual work in ESPRIT Basic Research Actions is just beginning. Time will have to pass before plans and hopes begin to be replaced by solid achievement. As a start, the actions described in this volume aim to provide a solid basis for the sustained effort that lies ahead.

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ECOLES	3059	Development of Representation for Machine Learning from Imperfect Information	BR	116
EDS	2025	European Declarative System	IPS-II	5
ELAN	700	ESPRIT/European Local Area Network	IES	7

ELO	2382	Elusive Office	OBS	150
EMG	599	Knowledge-Based Assistant for Electromyography	IPS-I	72
EOC	3199	ESPRIT Optical Computing	BR	39
EPIC	2090	Early Process Design Integrated with Controls	CIM	78
EPIOPTICS	3177	Investigation of Optical Probe Techniques for Interface Characterisation	BR	33
EPSILON	530	Advanced Knowledge Base Management System	IPS-I	68
EQUATOR	2409	Environment for Qualitative Temporal Reasoning	IPS-II	61
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ERW	1032	An Office Systems Research Workstation for Europe	OBS	83
ESB	96	Expert System Builder	IPS-I	10
ESCA	1570	Application of Expert Systems to Industrial Chemical Analysis	IPS-I	187
ESTEAM	316	An Architecture for Interactive Problem Solving by Cooperating Data and Knowledge Bases	IPS-I	41
ETR	2125	Electro-Thermal Ribbon	MEL	124
EUROHELP	280	Intelligent Help for Information Systems Users	IPS-I	23
EVEREST	2318	European Vanguard Efforts on Research and Engineering of Systems for Testing	MEL	148
EVEREST	962	Three-Dimensional Algorithms for Robust and Efficient Semiconductor Simulator	MEL	84
EWS	2569	European Workstation	OBS	176

FAOR	56	Functional Analysis of Office Requirements	OBS	12
FCPN	2198	Factory Customer Premises Network	CIM	96
FELICITA	2360	Development of Ferroelectric Liquid Crystal Devices for Information Technology Applications	MEL	152
FIDE	3070	Formally Integrated Data Environment	BR	76
FIRST	3274	Fundamentals of Intelligent Reliable Robot Systems	BR	149
FLEXPLAN	2457	Knowledge-Based Planning and Control in Manufacturing Environments	CIM	120
FOCUS	2620	Front-Ends for Open and Closed User System	IPS-II	99
FOCUS	3180	Foundations of Optoelectronic Computers	BR	35
FOF	3143	Factory of the Future Production Theory	BR	127
FOR-ME-TOO	283	Formalisms, Methods and Tools	IPS-I	27
FORFUN	881	Formal Description of Arbitrary Systems by means of Functional Languages	IPS-I	2
FORMAST	1033	Formal Methods for Asynchronous System Technology	IPS-I	122
GAUCHO	2563	General Distributed Architecture for Unified Communications in Heterogeneous OSI Environments	OBS	173
GENEDIS	532	Real-Time Generation and Display of the 2.5-D Sketch for Moving Scenes	IPS-I	70
GENESIS	1041	A General Environment for Formal Systems Development	IPS-I	126
GENESIS	2447	A European, Distributed Memory, Parallel Supercomputer for Numerical Applications	IPS-II	69

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GIPE	348	Generation of Interactive Programming Environments	IPS-I	43
GRADIENT	857	Graphics and Knowledge-Based Dialogue for Dynamic Systems	IPS-I	82
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HECTOR	2082	Harmonised European Concepts and Tools for Organisational Information Systems	OBS	104
HERMES	717	Message-Handling Survey and Trends for the IES User Community	IES	12
HERODE	121	Handling Mixed Text/Image/Voice Documents Based on a Standardised Office Document Architecture	OBS	23
HESSILSIL	3026	Heterostructures of Semiconducting Silicides on Silicon. Applications to Si-Compatible Optoelectronic Devices	BR	11
HIDCIM	2127	Holographic Labelling Techniques for Automatic Identification in CIM Environments	CIM	82
HOME	2431	Home Systems	OBS	154
HTDS	1261	Host-Target Development System	IPS-I	156
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HUFIT	385	Human Factors Laboratories in Information Technologies	OBS	44
HYETI	244	High Yield and High Reliability ULSI System	MEL	18
IACIS	2512	Intelligent Area Communication and Information System	OBS	170

IBASS	1573	Intelligent Business Application Support System	OBS	92
ICARE	2437	Industrial Characterisation of an Advanced Resonant Etcher	MEL	162
ICARUS	2537	Incremental Construction and Reuse of Requirements Specifications	IPS-II	83
ICI	2058	Intelligent Communication Interface	OBS	100
ICI	2640	Integrated Intelligent Process Control and Inspection in Robot Finishing	CIM	140
ICTDAS	2486	Integrated CAE Techniques for Dynamic Analysis of Structures	CIM	124
IDEAL	3160	Interactive Dialogues for Explanation and Learning	BR	133
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IKAROS	954	Intelligence and Knowledge-Aided Recognition of Speech	OBS	73
IMPACS	2338	Integrated Manufacturing Planning and Control System	CIM	108
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INSTIL	1063	Integration of Symbolic and Numeric Learning Techniques	IPS-I	128
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IPCES	2428	Intelligent Process Control by Means of Expert Systems	CIM	114
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ISA	2267	Integrated Systems Architecture	OBS	138
ISEM	2322	IT Support for Emergency Management	OBS	145
ISIDE	1133	Advanced Model for Integration of DB and KB Management Systems	IPS-I	144
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ITHACA	2121	Integrated Toolkit for Highly Advanced Computer Applications	OBS	125
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IWS	82	Intelligent Workstation	OBS	20
KADS	1098	A Methodology for the Development of Knowledge-Based Systems	IPS-I	138
KAUDYTE	3219	Knowledge Acquisition and Use in Dynamic Task Environments	BR	141
KB-MUSICA	2671	Knowledge-Based Multi-Sensor Systems in CIM Applications	CIM	146
KBS-SHIP	1074	Shipboard Installation of Knowledge-Based Systems	IPS-I	132

KBS-SHIP	2163	Shipboard Installation of Knowledge-Based Systems Design and Installation	IPS-II	33
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KWICK	2466	Knowledge Workers Intelligently Collecting/ Coordinating/Consulting Knowledge	OBS	161
LAMA	2280	Large Manipulators for CIM	CIM	102
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LOKI	107	A Logic-Oriented Approach to Knowledge and Data Bases Supporting Natural User Interaction	IPS-I	12
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LSVI	2114	Large Size Visual Interface Design for Multimedia Workstation Terminals	OBS	122
MACS	2570	Maintenance Capability for Software	IPS-II	89
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MERMAID	2046	Metrication and Resource Modelling Aid	IPS-II	8
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MIAC	1057	Multipoint Interactive AudioVisual Communication	OBS	86
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MOLCOM	3121	Conducting Organic Material as Molecular Components for Microelectronics	BR	23

MOLSWITCH	3314	Evaluation of Molecular Switch-Type Devices: Theory and Experiment	BR	57
MUCOM	3149	Multisensory Control of Movement	BR	129
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MULTOS	28	A Multimedia Filing System	OBS	7
MUMP	865	Non-Monotonic Reasoning Techniques for Industrial Planning Applications	IPS-I	84
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NANSDEV	3133	Nanostructures for Semiconductor Devices	BR	25
NAOPIA	2288	New Architectures for Optical Processing in Industrial Applications	IPS-II	47
NERVES	3049	Innovative Architectures and VLSI Implementations for Neurocomputing	BR	114
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PALABRE	1015	Integration of Artificial Intelligence, Vocal I/O and Natural Language Dialogue: Application to Directory Services	IPS-I	120
PALAVDA	415	Parallel Architectures and Languages for AIP: a VLSI-Directed Approach	IPS-I	55
PANGLOSS	890	Parallel Architecture for Networking Gateways Linking OSI Systems	OBS	68
PANORAMA	2483	Perception and Navigation System for Autonomous Mobile Applications	CIM	122
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PEACOCK	266	Software Development Using Concurrently Executable Modules	IPS-I	20
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PROSPECTRA	390	Program Development by Specification and Transformation	IPS-I	47
PYGMALION	2059	Neurocomputing	IPS-II	10
QUIC	820	Design and Experimentation of a KBS Development Tool Kit for Real-Time Process Control Applications	IPS-I	78
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RAISE	315	Rigorous Approach to Industrial Software Engineering	IPS-I	38
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REFLECT	3178	Reflective Expertise in Knowledge-Based Systems	BR	137
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SEMANTIQUE	3124	Semantics-Based Program Manipulation Techniques	BR	88
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SFINX	1262	Software Factory Integration and Experimentation	IPS-I	158
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SKIDS	1560	Signal and Knowledge Integration with Decisional Control for Multi-Sensory Systems	IPS-I	184
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SPIN	64	Speech Interface at Office Workstation	OBS	16

SPIRIT	2484	The Spirit-I Workstation	OBS	166
SPMMS	282	Software Production and Maintenance Management Support	IPS-I	25
SPRINT	3228	Speech Processing and Recognition Using Integrated Neurocomputing Techniques	BR	143
SPRITE	2001	Storage, Processing and Retrieval of Information in a Technical Environment	OBS	95
SPRITE	2260	Interactive Silicon Compilation for High-Performance Integrated Systems	MEL	130
STORM	2197	Process Modelling and Device Optimisation for Submicron Technologies	MEL	128
STRECH	2443	Extensible KBMS for Large Knowledge-Base Application	IPS-II	67
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SUPRA-DYNAMICS	3327	Lattice Dynamics of High T_c Single Crystal Superconductors	BR	59
TALON	870	Testing and Analysis of Local Area Optical Networks	OBS	65
TAO	1592	Therapy Adviser for Oncology	IPS-I	191
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THORN	719	The Obviously Required Name-Server	IES	15
TOBIASI	2294	Tools for Object-Based Integrated Administrative Systems	OBS	141
TODOS	813	Tools for Designing Office Systems	OBS	55
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TOOTSI	2109	Telematic Object-Oriented Tools for Services Interfaces	OBS	118
TOPMUSS	2255	Tools for Processing Multi-Sensorial Signals for Plant Monitoring and Control	IPS-II	43
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TRACIT	975	Transponders for Real-Time Activity Control of Manufacturing Links to CIM Information Technology Systems	CIM	55
TROPICS	2427	Transparent Object-Oriented Parallel Information Computing System	IPS-II	65
TRUST	1258	Testing and Consequent Reliability Estimation for Real-Time Embedded Software	IPS-I	154
TT-CNMA	2292	Testing Technology for Communication Network for Manufacturing Applications	CIM	104
TWB	2315	Translator's Workbench	OBS	143
UCOL	2054	Ultra-Wideband Coherent Optical Lan	OBS	97
UCOL	249	Ultra Wideband Optical Coherent Lan	OBS	33
UNITED	2281	High-Tc Superconducting Thin Films and Tunnel Junction Devices	MEL	140
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VAP	3038	Vision as Process	BR	112
VASARI	2649	Visual Arts Systems for Archiving and Retrieval of Images	OBS	182

VIDIMUS	2592	A Vision System Development Environment for Industrial Applications	IPS-II	95
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VIMP	2091	Vision Based On-Line Inspection of Manufactured Parts	CIM	80
VIP	1283	VDM Interfaces for PCTE	IPS-I	168
VITAMIN	1556	Visualisation Standard Tools in Manufacturing Industry	CIM	62
VOILA	2502	Variable Object Identification, Location and Acquisition	IPS-II	79

**LIST OF PARTICIPATING ORGANISATIONS:
INDUSTRY**

		Area	Proj. No.
2I INDUSTRIAL INFORMATICS GMBH	D	IPS	2080
2I INDUSTRIAL INFORMATICS GMBH	D	IPS	2565
3 NET LIMITED	UK	OBS	2404
7-TECHNOLOGIES A/S	DK	OBS	890
AALBORG SHIPYARD LTD	DK	CIM	595
ABB-BBC BROWN BOVERI AG	D	OBS	2431
ABSY	B	IPS	1005
ACE ASSOCIATED COMPUTER EXPERTS BV	NL	OBS	2484
ACEC SA	B	OBS	73
ACERLI	F	CIM	2292
ACORN COMPUTERS LTD	UK	OBS	291
ACORN COMPUTERS LTD	UK	OBS	2105
ACT SYSTEMES	F	OBS	73
ACT SYSTEMES	F	OBS	2499
ACTIS ZENTRALE VERWALTUNGS GMBH	D	CIM	2277
ACTIVE MEMORY TECHNOLOGY LTD	UK	MEL	2318
ADDAX SA	GR	OBS	2170
ADIST, ASSOCIACAO PARA O DESENVOLVIMENTO DO INSTITUTO SUPERIOR TECNICO	P	CIM	2192
ADIST, ASSOCIACAO PARA O DESENVOLVIMENTO DO INSTITUTO SUPERIOR TECNICO	P	CIM	2277
ADV/ORG A F.A. MEYER AG	D	CIM	2457
ADV/ORG A F.A. MEYER AG	D	IPS	2177
ADV/ORG A F.A. MEYER AG	D	OBS	2001
ADV/ORG A F.A. MEYER AG	D	OBS	2322
ADV/ORG A F.A. MEYER AG	D	OBS	2466
ADV/ORG A F.A. MEYER AG	D	OBS	2563
ADVANCED MECHANICS & ENGINEERING LTD.	UK	IPS	2565

ADVANCED SEMICONDUCTOR MATERIALS INTERNATIONAL	NL	MEL	2403
ADVANCED SYSTEM ARCHITECTURES	UK	IPS	1033
AEG AKTIENGESELLSCHAFT	D	CIM	179
AEG AKTIENGESELLSCHAFT	D	CIM	384
AEG AKTIENGESELLSCHAFT	D	CIM	688
AEG AKTIENGESELLSCHAFT	D	CIM	932
AEG AKTIENGESELLSCHAFT	D	CIM	1561
AEG AKTIENGESELLSCHAFT	D	CIM	2032
AEG AKTIENGESELLSCHAFT	D	CIM	2280
AEG AKTIENGESELLSCHAFT	D	CIM	2588
AEG AKTIENGESELLSCHAFT	D	IPS	300
AEG AKTIENGESELLSCHAFT	D	IPS	415
AEG AKTIENGESELLSCHAFT	D	IPS	2094
AEG AKTIENGESELLSCHAFT	D	IPS	2218
AEG AKTIENGESELLSCHAFT	D	IPS	2565
AEG AKTIENGESELLSCHAFT	D	IPS	2589
AEG AKTIENGESELLSCHAFT	D	IPS	2592
AEG AKTIENGESELLSCHAFT	D	MEL	10
AEG AKTIENGESELLSCHAFT	D	MEL	305
AEG AKTIENGESELLSCHAFT	D	MEL	456
AEG AKTIENGESELLSCHAFT	D	MEL	491
AEG AKTIENGESELLSCHAFT	D	MEL	519
AEG AKTIENGESELLSCHAFT	D	MEL	802
AEG AKTIENGESELLSCHAFT	D	MEL	833
AEG AKTIENGESELLSCHAFT	D	MEL	2016
AEG AKTIENGESELLSCHAFT	D	MEL	2125
AEG AKTIENGESELLSCHAFT	D	MEL	2283
AEG AKTIENGESELLSCHAFT	D	OBS	64
AEG AKTIENGESELLSCHAFT	D	OBS	2054
AEG AKTIENGESELLSCHAFT	D	OBS	2105
AEG AKTIENGESELLSCHAFT	D	OBS	2267
AEG AKTIENGESELLSCHAFT	D	OBS	2431
AEG AKTIENGESELLSCHAFT	D	OBS	2431

AEG OLYMPIA AG	D	IPS	2094
AEG OLYMPIA AG	D	MEL	2125
AEG OLYMPIA AG	D	MEL	2268
AEG OLYMPIA AG	D	OBS	295
AEG OLYMPIA AG	D	OBS	367
AEG OLYMPIA AG	D	OBS	855
AEG OLYMPIA AG	D	OBS	2001
AEG OLYMPIA AG	D	OBS	2105
AERITALIA	I	CIM	812
AERITALIA	I	CIM	955
AERITALIA	I	CIM	2617
AERITALIA	I	IPS	865
AEROSPATIALE	F	CIM	688
AEROSPATIALE	F	CIM	2617
AFIA-ASSOCIACAO DE FABRICANTES PARA A INDUSTRIA AUTOMOVEL	P	CIM	2277
AGENCE DE L'INFORMATIQUE	F	IPS	410
AGFA GEVAERT AG	D	MEL	2633
AGFA GEVAERT AG	B	OBS	1051
AGUSTA SPA	I	IPS	1133
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ALCATEL ISR	F	IPS	2255
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ALGOTECH SRL	I	IPS	2301
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ALITALIA LINEE AEREE ITALIANE SPA	I	OBS	2111
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ALSYS LTD	UK	IPS	2528
AMBER SA	GR	IPS	2256
AMPER SA	E	OBS	2684
ANACAD-COMPUTER SYSTEMS GMBH	D	MEL	2193
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ANSALDO IMPIANTI	I	IPS	820
APL-ADMINISTRACAO DO PORTO DE LISBOA	P	OBS	2512
AP SIS	F	IPS	1085
APT NEDERLAND B.V.	NL	CIM	688
APTOR	F	IPS	2528
ARCOS CONSEIL	F	OBS	831
ARCOS CONSEIL	F	OBS	2239
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ARG-APPLIED RESEARCH GROUP SPA	I	IPS	1542
ARG-APPLIED RESEARCH GROUP SPA	I	OBS	834
ARG-APPLIED RESEARCH GROUP SPA	I	OBS	2071
ARG-APPLIED RESEARCH GROUP SPA	I	OBS	2109
ARG-APPLIED RESEARCH GROUP SPA	I	OBS	2170
ARS SPA	I	CIM	932
ARS SPA	I	CIM	2434
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ARS SPA	I	IPS	1133

ARTIFICIAL INTELLIGENCE LTD	UK	IPS	2092
ARTIFICIAL INTELLIGENCE SYSTEMS SA	B	CIM	2457
ARTIFICIAL INTELLIGENCE SYSTEMS SA	B	IPS	2167
ARTIFICIAL INTELLIGENCE SYSTEMS SA	B	OBS	2466
ASCOM HOLDING LTD	CH	IPS	2304
ASM-LITHOGRAPHY BV	NL	MEL	2048
ATT & PHILIPS TELECOMMUNICATION BEDR	B	IPS	432
AUDI AG	D	IPS	2255
AUTONOMOUS PORT OF BARCELONA	E	OBS	2512
AXION A/S	DK	IPS	2615
BAAN INFO SYSTEMS BV	NL	CIM	2090
BAAN INFO SYSTEMS BV	NL	CIM	2189
BABCOCK & WILCOX ESPANOLA SA	E	CIM	2626
BABCOCK ENERGY LTD	UK	CIM	9
BALTEA SPA	I	MEL	2125
BANCO DE SABADELL	E	OBS	2476
BANCO HERRERO	E	OBS	2476
BANG & OLUFSEN	DK	OBS	2431
BARCO-INDUSTRIES NV	B	OBS	612
BARR & STROUD LTD	UK	CIM	197
BARR & STROUD LTD	UK	IPS	532
BASF AG	D	MEL	334
BASF AG	D	MEL	957
BASF AG	D	MEL	2633
BASSANI TICINO SPA	I	OBS	2431
BBC INTERACTIVE TELEVISION UNIT	UK	OBS	901
BBN COMMUNICATION A/S	DK	OBS	998
BDH LIMITED	UK	MEL	2360
BELL TELEPHONE MFG CO	B	IPS	440
BELL TELEPHONE MFG CO	B	IPS	881
BELL TELEPHONE MFG CO	B	IPS	2565
BELL TELEPHONE MFG CO	B	MEL	97
BELL TELEPHONE MFG CO	B	MEL	522

BELL TELEPHONE MFG CO	B	MEL	2270
BELL TELEPHONE MFG CO	B	OBS	73
BENNETTS ASSOCIATES	UK	MEL	2318
BENSE KG	D	IPS	530
BERTIN & CIE	F	CIM	1062
BERTIN & CIE	F	CIM	1561
BERTIN & CIE	F	CIM	2280
BERTIN & CIE	F	MEL	1563
BERTIN & CIE	F	OBS	998
BIAS	D	IPS	898
BICC TECHNOLOGIES LTD	UK	CIM	932
BICC TECHNOLOGIES LTD	UK	CIM	1199
BICC TECHNOLOGIES LTD	UK	CIM	2434
BIM SA	B	BR	3351
BIM SA	B	IPS	107
BIM SA	B	IPS	892
BIM SA	B	IPS	928
BIM SA	B	IPS	1252
BIM SA	B	IPS	2469
BIM SA	B	IPS	2471
BIM SA	B	IPS	2474
BMP PLASMATECHNOLOGIE	D	MEL	1043
BMW BAYERISCHE MOTOREN WERKE AG	D	CIM	2195
BMW BAYERISCHE MOTOREN WERKE AG	D	CIM	2292
BMW BAYERISCHE MOTORENWERKE AG	D	CIM	322
BMW BAYERISCHE MOTORENWERKE AG	D	CIM	955
BOGEN ELECTRONIC GMBH	D	MEL	957
BONNSCRIPT	D	OBS	2382
BPA TECHNOLOGY AND MANAGEMENT LTD	UK	MEL	544
BRAMEUR LTD	UK	IPS	1257
BRAMEUR LTD	UK	IPS	2384
BRAMEUR LTD	UK	OBS	2649
BREMER VULKAN AG, SCHIFFBAU UND MASCHINEN FABRIK	D	CIM	2010

BREMER VULKAN AG, SCHIFFBAU UND MASCHINEN FABRIK	D	CIM	2439
BRITISH AEROSPACE DYNAMICS	UK	CIM	955
BRITISH AEROSPACE DYNAMICS	UK	CIM	2617
BRITISH AEROSPACE PLC	UK	BR	3324
BRITISH AEROSPACE PLC	UK	CIM	688
BRITISH AEROSPACE PLC	UK	CIM	2483
BRITISH AEROSPACE PLC	UK	IPS	1560
BRITISH AEROSPACE PLC	UK	IPS	2092
BRITISH AEROSPACE PLC	UK	IPS	2154
BRITISH AEROSPACE PLC	UK	IPS	2592
BRITISH AEROSPACE PLC	UK	MEL	544
BRITISH AEROSPACE PLC	UK	OBS	2484
BRITISH AEROSPACE PLC	UK	OBS	2638
BRITISH TELECOMMUNICATION PLC	UK	IPS	387
BRITISH TELECOMMUNICATION PLC	UK	IPS	1015
BRITISH TELECOMMUNICATION PLC	UK	IPS	2304
BRITISH TELECOMMUNICATION PLC	UK	IPS	2384
BRITISH TELECOMMUNICATION PLC	UK	IPS	2686
BRITISH TELECOMMUNICATION PLC	UK	MEL	244
BRITISH TELECOMMUNICATION PLC	UK	MEL	271
BRITISH TELECOMMUNICATION PLC	UK	MEL	554
BRITISH TELECOMMUNICATION PLC	UK	MEL	802
BRITISH TELECOMMUNICATION PLC	UK	MEL	824
BRITISH TELECOMMUNICATION PLC	UK	MEL	958
BRITISH TELECOMMUNICATION PLC	UK	MEL	991
BRITISH TELECOMMUNICATION PLC	UK	MEL	1043
BRITISH TELECOMMUNICATION PLC	UK	OBS	43
BRITISH TELECOMMUNICATION PLC	UK	OBS	169
BRITISH TELECOMMUNICATION PLC	UK	OBS	563
BRITISH TELECOMMUNICATION PLC	UK	OBS	1057
BRITISH TELECOMMUNICATION PLC	UK	OBS	2058
BRITISH TELECOMMUNICATION PLC	UK	OBS	2100
BRITISH TELECOMMUNICATION PLC	UK	OBS	2102

BRITISH TELECOMMUNICATION PLC	UK	OBS	2267
BRITISH TELECOMMUNICATION PLC	UK	OBS	2374
BRITISH TELECOMMUNICATION PLC	UK	OBS	2431
BRITISH TELECOMMUNICATION PLC	UK	OBS	2684
BROWN, BOVERI & CIE.	DK	IPS	315
BSO-BUREAU VOOR SYSTEEMONTWIKKELING	NL	IPS	348
BSO-BUREAU VOOR SYSTEEMONTWIKKELING	NL	IPS	814
BULL ESPANA S.A.	E	OBS	2476
BULL SA	F	CIM	688
BULL SA	F	CIM	955
BULL SA	F	CIM	2068
BULL SA	F	CIM	2202
BULL SA	F	CIM	2617
BULL SA	F	IES	33
BULL SA	B	IES	700
BULL SA	F	IES	719
BULL SA	F	IPS	32
BULL SA	F	IPS	112
BULL SA	F	IPS	283
BULL SA	F	IPS	311
BULL SA	F	IPS	393
BULL SA	F	IPS	410
BULL SA	F	IPS	415
BULL SA	F	IPS	818
BULL SA	F	IPS	951
BULL SA	F	IPS	973
BULL SA	F	IPS	1532
BULL SA	F	IPS	1535
BULL SA	F	IPS	2025
BULL SA	F	IPS	2104
BULL SA	F	IPS	2177
BULL SA	F	IPS	2252
BULL SA	F	IPS	2447

BULL SA	F	IPS	2565
BULL SA	F	MEL	10
BULL SA	F	MEL	244
BULL SA	F	MEL	554
BULL SA	F	MEL	887
BULL SA	F	MEL	957
BULL SA	F	MEL	958
BULL SA	F	MEL	2072
BULL SA	F	MEL	2075
BULL SA	F	MEL	2318
BULL SA	F	MEL	2394
BULL SA	F	MEL	2426
BULL SA	F	OBS	43
BULL SA	F	OBS	82
BULL SA	F	OBS	231
BULL SA	F	OBS	367
BULL SA	F	OBS	385
BULL SA	F	OBS	831
BULL SA	F	OBS	834
BULL SA	F	OBS	956
BULL SA	F	OBS	1024
BULL SA	F	OBS	1533
BULL SA	F	OBS	1573
BULL SA	F	OBS	2071
BULL SA	F	OBS	2105
BULL SA	F	OBS	2121
BULL SA	F	OBS	2144
BULL SA	F	OBS	2221
BULL SA	F	OBS	2374
BULL SA	F	OBS	2466
BULL SA	F	OBS	2512
BULL SA	F	OBS	2569
BUREAU MARCEL VAN DIJK NV	B	OBS	901

BUSCH-JAEGER-ELEKTRO GMBH	D	OBS	2431
CAD-CAM DATA EXCHANGE TECHNICAL CENTRE	UK	CIM	2195
CAJA DE AHORROS DEL MEDITERRANEO	E	OBS	2476
CAJA INSULAR DE AHORROS DE CANARIAS	E	OBS	2476
CAMBRIDGE CONSULTANTS LTD	UK	IPS	2163
CAMBRIDGE CONTROL LTD	UK	CIM	2671
CAMECA	F	MEL	1056
CAP GEMINI SOGETI	F	OBS	2476
CAP INDUSTRY LTD	UK	CIM	2331
CAP INDUSTRY LTD	UK	IPS	1262
CAP INDUSTRY LTD	UK	IPS	1277
CAP SCIENTIFIC LTD	UK	IPS	2384
CAP SCIENTIFIC LTD	UK	OBS	890
CAP SESA INNOVATION	F	BR	3228
CAP SESA INNOVATION	F	CIM	688
CAP SESA INNOVATION	F	IPS	302
CAP SESA INNOVATION	F	IPS	316
CAP SESA INNOVATION	F	IPS	401
CAP SESA INNOVATION	F	IPS	814
CAP SESA INNOVATION	F	IPS	1098
CAP SESA INNOVATION	F	IPS	2218
CAP SESA INNOVATION	F	IPS	2427
CAP SESA INNOVATION	F	IPS	2565
CAP SESA INNOVATION	F	IPS	2576
CAP SESA INNOVATION	F	OBS	2082
CAP SESA INNOVATION	F	OBS	2121
CAP SOGETI	D	CIM	2623
CAP SOGETI LOGICIEL SA	F	IPS	820
CAPTEC-COMPUTER APPLIED TECHNICS	IRL	IPS	419
CAPTION	F	CIM	2091
CAPTION	F	OBS	2484
CARL ZEISS	D	MEL	2048
CARLO GAVAZZI IMPANTI SPA	I	CIM	2032

CASA-CONSTRUCCIONES AERONAUTICAS SA	E	CIM	2280
CASE COMMUNICATIONS LTD	UK	IES	718
CATIA SOFTWARE SERVICE GMBH	D	CIM	2277
CCIP-CHAMBRE DE COMMERCE ET INDUSTRIE PARIS	F	IPS	2025
CCS	E	IPS	1609
CEGB	UK	IPS	2354
CENTRISA-CENTRO DE TRATAMIENTO DE INFORMACION SA	E	IPS	2487
CENTRO DE CALCULO DE SABADELL SA	E	IPS	2570
CENTUNION	E	CIM	2338
CERCI	F	IPS	1527
CERILOR	F	IPS	1520
CESELSA	E	IPS	2354
CESIA	F	OBS	831
CGE-LABORATOIRES DE MARCOUSSIS	F	CIM	293
CGE-LABORATOIRES DE MARCOUSSIS	F	CIM	2338
CGE-LABORATOIRES DE MARCOUSSIS	F	IPS	112
CGE-LABORATOIRES DE MARCOUSSIS	F	IPS	393
CGE-LABORATOIRES DE MARCOUSSIS	F	IPS	432
CGE-LABORATOIRES DE MARCOUSSIS	F	IPS	440
CGE-LABORATOIRES DE MARCOUSSIS	F	IPS	2059
CGE-LABORATOIRES DE MARCOUSSIS	F	IPS	2154
CGE-LABORATOIRES DE MARCOUSSIS	F	IPS	2443
CGE-LABORATOIRES DE MARCOUSSIS	F	IPS	2537
CGE-LABORATOIRES DE MARCOUSSIS	F	IPS	2615
CGE-LABORATOIRES DE MARCOUSSIS	F	MEL	263
CGE-LABORATOIRES DE MARCOUSSIS	F	OBS	64
CGE-LABORATOIRES DE MARCOUSSIS	F	OBS	954
CGE-LABORATOIRES DE MARCOUSSIS	F	OBS	2054
CGE-TITN	F	CIM	955
CGP-COMPAGNIE GENERALE DE PRODUCTIQUE	F	CIM	293
CHARMILLES TECHNOLOGIES SA	CH	CIM	2590
CHORUS SYSTEMES	F	IPS	1535
CHORUS SYSTEMES	F	IPS	2447

CHORUS SYSTEMES	F	OBS	2071
CHORUS SYSTEMES	F	OBS	2105
CHORUS SYSTEMES	F	OBS	2569
CHR. F. ROVSING A/S	DK	IPS	1560
CIG INDUSTRY	B	IPS	1520
CIG-CENTRE D'INFORMATIQUE GENERALE	B	CIM	418
CIMAF - CENTRO DE COOPERACAO DOS INDUSTRIAIS DE MAQUINAS E FERRAMENTAS	P	CIM	338
CIMAF - CENTRO DE COOPERACAO DOS INDUSTRIAIS DE MAQUINAS E FERRAMENTAS	P	CIM	909
CIMSA SINTRA	F	IPS	96
CIRRUS COMPUTER LTD	UK	MEL	244
CISI INGENIERIE SA	F	IPS	300
CISI INGENIERIE SA	F	IPS	1158
CISI INGENIERIE SA	F	IPS	2570
CISI-INFORMATIQUE INTERNATIONALE	F	IPS	510
CISI-INFORMATIQUE INTERNATIONALE	F	IPS	1598
CISI-INFORMATIQUE INTERNATIONALE	F	OBS	73
CISIGRAPH	F	CIM	322
CIT-ALCATEL	F	CIM	688
CIT-ALCATEL	F	IPS	282
CIT-ALCATEL	F	IPS	974
CIT-ALCATEL	F	MEL	802
CIT-ALCATEL	F	MEL	887
CIT-ALCATEL	F	MEL	2072
CIT-ALCATEL	F	MEL	2437
CIT-ALCATEL	F	OBS	925
CIT-ALCATEL	F	OBS	2054
CIT-ALCATEL	F	OBS	2684
CITROEN-PSA	F	CIM	2637
CITSA	E	IPS	1592
CITYMAX INTEGR INF SYSTEMS LTD	UK	IPS	1558
CLARINET SYSTEMS LIMITED	UK	OBS	2499
CLS COMPUTER LERNSYSTEME GMBH	D	OBS	2382

CNEH-CENTRE NATIONAL DE L'EQUIPEMENT HOSPITALIER	F	OBS	2221
COGNITECH	F	IPS	1063
COGNITECH	F	IPS	2148
COGNITECH	F	IPS	2167
COMAU SPA	I	CIM	118
COMAU SPA	I	CIM	338
COMAU SPA	I	CIM	477
COMAU SPA	I	CIM	2338
COMCONSULT COMMUNICATION TECHNOLOGIES	D	CIM	2617
COMPANIA SEVILLANA DE ELECTRICIDAD SA	E	CIM	2198
COMPUTAS EXPERT SYSTEMS A/S	N	IPS	2576
COMPUTER LOGIC R & D SA	GR	OBS	2103
COMPUTER LOGIC R & D SA	GR	OBS	2476
COMPUTER SYSTEMS DEVELOPMENT	UK	CIM	319
COMPUTER TECHNOLOGIES CO. LTD.	GR	CIM	2178
COMPUTER TECHNOLOGIES CO. LTD.	GR	IPS	1520
COMPUTER TECHNOLOGIES CO. LTD.	GR	IPS	2487
COMPUTER TECHNOLOGIES CO. LTD.	GR	IPS	2565
CONSORZIO PER LE RICERCHE E LE APPLICAZIONI DI INFORMATICA	I	IPS	1117
CONSORZIO PER LE RICERCHE E LE APPLICAZIONI DI INFORMATICA	I	IPS	2424
CONSORZIO PER LE RICERCHE E LE APPLICAZIONI DI INFORMATICA	I	OBS	2082
CONSTRUNAVES	E	CIM	2010
COPS (EUROPE) LTD	IRL	IPS	432
COPS (EUROPE) LTD	IRL	OBS	998
CORETECH INTERNATIONAL	F	CIM	2590
COSSOR ELECTRONICS LTD	UK	OBS	870
COURSEWARE EUROPE BV	NL	IPS	280
CREDITO ITALIANO	I	OBS	2476
CRI - COMPUTER RESOURCES INTL. A/S	DK	CIM	2178
CRI - COMPUTER RESOURCES INTL. A/S	DK	IPS	280

CRI - COMPUTER RESOURCES INTL. A/S	DK	IPS	315
CRI - COMPUTER RESOURCES INTL. A/S	DK	IPS	390
CRI - COMPUTER RESOURCES INTL. A/S	DK	IPS	599
CRI - COMPUTER RESOURCES INTL. A/S	DK	IPS	857
CRI - COMPUTER RESOURCES INTL. A/S	DK	IPS	1094
CRI - COMPUTER RESOURCES INTL. A/S	DK	IPS	1262
CRI - COMPUTER RESOURCES INTL. A/S	DK	IPS	1598
CRI - COMPUTER RESOURCES INTL. A/S	DK	IPS	1609
CRI - COMPUTER RESOURCES INTL. A/S	DK	IPS	2148
CRI - COMPUTER RESOURCES INTL. A/S	DK	IPS	2565
CRI - COMPUTER RESOURCES INTL. A/S	DK	OBS	2083
CRIL-CONCEPTION ET REALISATION INDUSTRIELLES DE LOGICIEL	F	IPS	973
CRIL-CONCEPTION ET REALISATION INDUSTRIELLES DE LOGICIEL	F	IPS	1133
CRIL-CONCEPTION ET REALISATION INDUSTRIELLES DE LOGICIEL	F	IPS	1257
CSEA	I	CIM	850
CSEE	F	MEL	491
D-TECH	GR	OBS	2121
D.G. SG2 GENIE INFORMATIQUE	F	IES	630
D.G. SG2 GENIE INFORMATIQUE	F	OBS	73
DAF BV (HOLDING DAF TRUCKS AND LEYLAND DAF LTD)	NL	CIM	2277
DAIMLER-BENZ AG	D	IPS	1106
DAIMLER-BENZ AG	D	OBS	2315
DANISH PARSIM CONSORTIUM	DK	IPS	2528
DANISH WELDING INSTITUTE	DK	CIM	595
DANNET A/S	DK	OBS	2563
DANOBAT S. COOP	E	CIM	504
DANSK DATAMATIK CENTER	DK	IPS	280
DANSK DATAMATIK CENTER	DK	IPS	1117
DANSK DATAMATIK CENTER	DK	OBS	59
DANTEC ELEKTRONIK	DK	CIM	534
DATA MANAGEMENT SPA	I	IPS	282

DATA MANAGEMENT SPA	I	IPS	2046
DATAMAT INGEGNERIA DEI SISTEMI SPA	I	IPS	1613
DATAMAT INGEGNERIA DEI SISTEMI SPA	I	IPS	2565
DATAMONT SPA	I	OBS	1573
DATAMONT SPA	I	OBS	2121
DECISION INTERNATIONAL	F	CIM	2010
DELGA INTERNATIONAL SA	E	OBS	2082
DELPHI	I	IPS	440
DELPHI	I	IPS	1256
DELPHI	I	IPS	1535
DELPHI	I	IPS	2427
DELPHI	I	OBS	2121
DELTACAM SYSTEMS LTD	UK	CIM	2590
DESARROLLO DE SOFTWARE	E	OBS	2109
DET NORSKE VERITAS	N	CIM	2195
DEUTSCHE THOMSON-BRANDT GMBH	D	OBS	2102
DFN	D	IES	719
DIDA*EL SRL	I	IPS	2384
DIGITAL EQUIPMENT CORPORATION GALWAY	IRL	CIM	2338
DIGITAL EQUIPMENT GMBH	D	CIM	477
DIGITAL EQUIPMENT GMBH	D	CIM	688
DIGITAL EQUIPMENT SA	B	OBS	2267
DOMINO-STUDI E RICERCHE PER L'EDILIZIA E L'ABITARE SRL	I	OBS	2431
DORNIER SYSTEM GMBH	D	CIM	688
DORNIER SYSTEM GMBH	D	CIM	1653
DORNIER SYSTEM GMBH	D	CIM	2428
DORNIER SYSTEM GMBH	D	IPS	867
DORNIER SYSTEM GMBH	D	IPS	974
DORNIER SYSTEM GMBH	D	IPS	1550
DORNIER SYSTEM GMBH	D	OBS	813
DORNIER SYSTEM GMBH	D	OBS	2082
DOSIS GMBH	D	MEL	2268
DOW CHEMICAL NEDERLAND BV	NL	IPS	2397

DRAEGERWERK AG	D	CIM	2671
DT2 I	F	MEL	2075
DU PONT DE NEMOURS LUXEMBOURG SA	L	MEL	2633
DUNAITURRIA Y ESTANCONIA	E	CIM	338
E. MERCK	D	MEL	2360
E2S - EXPERT SOFTWARE SYSTEMS NV	B	IPS	1265
E2S - EXPERT SOFTWARE SYSTEMS NV	B	IPS	1598
E2S - EXPERT SOFTWARE SYSTEMS NV	B	IPS	2565
E2S - EXPERT SOFTWARE SYSTEMS NV	B	OBS	2121
EASAMS LTD	UK	CIM	2483
EBO	GR	IPS	1257
EDF-ELECTRICITE DE FRANCE	F	CIM	2172
EDF-ELECTRICITE DE FRANCE	F	CIM	2198
EDF-ELECTRICITE DE FRANCE	F	IPS	2354
EDF-ELECTRICITE DE FRANCE	F	IPS	2487
EIGNER	D	CIM	2623
EIKON SPA	I	OBS	2102
EIKON SPA	I	OBS	2649
ELECTRICIDADE DE PORTUGAL	P	CIM	2172
ELECTRICIDADE DE PORTUGAL	P	CIM	2192
ELECTRICITY COUNCIL	UK	IPS	2256
ELECTROLUX MECATRONIK	S	OBS	2431
ELECTRONIC TRAFFIC SA	E	IPS	2409
ELEKTROSON BV	NL	OBS	2499
ELEUSIS SHIPYARDS SA	GR	CIM	2439
ELF AQUITAINE	F	CIM	955
ELLEMTEL AB	S	OBS	2267
ELLTEC SA	GR	MEL	1270
ELSA SOFTWARE	F	OBS	2466
ELSAG SPA - ELETTRONICA SAN GIORGIO	I	CIM	812
ELSAG SPA - ELETTRONICA SAN GIORGIO	I	IPS	865
ELSAG SPA - ELETTRONICA SAN GIORGIO	I	IPS	940
ELSAG SPA - ELETTRONICA SAN GIORGIO	I	IPS	2502

ELSEVIER SCIENCE PUBLISHERS	NL	OBS	2466
ELTEC ELECKTRONIK GMBH	D	CIM	1653
ELTEC ELECKTRONIK GMBH	D	CIM	2428
EMPRESA DE INVESTIGACAO E DESENVOLVIMENTO DE ELECTRONICA	P	CIM	2483
ENEL-ENTE NAZIONALE PER L'ENERGIA ELETTRICA	I	CIM	2172
ENIDATA SPA	I	IPS	973
ENIDATA SPA	I	IPS	1271
ENIDATA SPA	I	IPS	2424
ENOSA	E	CIM	2640
ENTEL SA	E	OBS	2476
ENTEL SA	E	OBS	2512
EPSILON GMBH	D	OBS	2484
EPSILON SOFTWARE LTD	GR	OBS	2170
ERDISA	E	CIM	322
ERDISA	E	CIM	2195
ERIA	E	CIM	850
ERIA	E	IPS	1262
ERIA	E	IPS	2151
ERIA	E	IPS	2409
ERIA	E	OBS	28
ERIA	E	OBS	2239
ERLI	F	IPS	1015
ERNO RAUMFAHRTTECHNIK GMBH	D	IPS	1033
EROVI ENGINYERIA DE ROBOTICA I VISIO SA	E	IPS	2255
ESACONTROL SPA	I	CIM	2172
ESACONTROL SPA	I	IPS	300
ESACONTROL SPA	I	IPS	2255
ESD-ELECTRONIQUE SERGE DASSAULT	F	IPS	937
ESF	B	IPS	2565
ESI	F	IPS	974
ESPASA CALPE SA	E	OBS	2466
ETNOTEAM SPA	I	IPS	2151
EURODISPLAY	F	MEL	2283

EUROPEAN CENTRE FOR ARTIFICIAL INTELLIGENCE	E	CIM	2626
EUROPEAN SILICON STRUCTURES SA	F	MEL	1563
EUROPEAN SILICON STRUCTURES SA	F	MEL	2426
EUROSIL ELECTRONIC GMBH	D	MEL	2039
EUROSOFT SYSTEMS SA	F	CIM	850
EUROSOFT SYSTEMS SA	F	IPS	266
EUROSOFT SYSTEMS SA	F	IPS	951
EXAPT-VEREIN ZUR FOERDERUNG DES EXAPT-SYSTEMS	D	CIM	409
EXAPT-VEREIN ZUR FOERDERUNG DES EXAPT-SYSTEMS	D	CIM	2590
F.L. SMIDTH & CO A/S	DK	CIM	2588
FABRICA DE VIDROS BARBOSA & ALMEIDA	P	CIM	2192
FARRAN TECHNOLOGY LTD	IRL	MEL	522
FARRAN TECHNOLOGY LTD	IRL	MEL	843
FARRAN TECHNOLOGY LTD	IRL	MEL	971
FARRAN TECHNOLOGY LTD	IRL	MEL	2035
FARRAN TECHNOLOGY LTD	IRL	MEL	2265
FEGS LTD	UK	CIM	2195
FERRANTI COMPUTER SYSTEMS LTD	UK	IPS	1535
FERRANTI COMPUTER SYSTEMS LTD	UK	IPS	2409
FERRANTI ELECTRONICS LTD	UK	IPS	818
FERRANTI ELECTRONICS LTD	UK	IPS	2252
FIAR-FABBRICA ITALIANA APPARECCHIATURE RADIOLETTRICHE SPA	I	CIM	623
FIAR-FABBRICA ITALIANA APPARECCHIATURE RADIOLETTRICHE SPA	I	CIM	932
FIAR-FABBRICA ITALIANA APPARECCHIATURE RADIOLETTRICHE SPA	I	CIM	2202
FIAR-FABBRICA ITALIANA APPARECCHIATURE RADIOLETTRICHE SPA	I	CIM	2434
FIAT AVIAZIONE SPA	I	CIM	688
FIAT AVIAZIONE SPA	I	CIM	2195
FIAT AVIAZIONE SPA	I	CIM	2486
FIAT AVIAZIONE SPA	I	CIM	2527
FICHTEL & SACHS	D	CIM	2527

FINCANTIERI	I	OBS	449
FINCANTIERI CANTIERI NAVALI ITALIANI S.P.A.	I	CIM	2439
FISHER & LORENZ	DK	IES	717
FISHER & LORENZ	DK	IES	718
FISHER AND LORENZ LTD	UK	OBS	2563
FOXBORO NEDERLAND NV	NL	IPS	937
FRAMATOME	F	CIM	2043
FRAMENTEC	F	CIM	2043
FRAMENTEC	F	IPS	256
FRAMENTEC	F	IPS	387
FRAMENTEC	F	IPS	820
FRAMENTEC	F	IPS	2152
FRAMENTEC	F	IPS	2256
FRANCE CABLES ET RADIO	F	OBS	73
FRIED. KRUPP GMBH	D	CIM	1199
FRIED. KRUPP GMBH	D	IPS	387
FRIED. KRUPP GMBH	D	IPS	1074
FRIED. KRUPP GMBH	D	IPS	1560
FRIED. KRUPP GMBH	D	IPS	2152
FRIED. KRUPP GMBH	D	IPS	2163
FRIED. KRUPP GMBH	D	IPS	2256
FRIED. KRUPP GMBH	D	IPS	2447
FUIGI ITALIANA	I	IPS	1527
FUTUREMEDIA LTD	UK	OBS	2144
G4S (GENERALE SVILUPPO SERVIZI E SISTEMI SOFTWARE)	I	CIM	955
GAMES INGENIERI SA	F	CIM	2165
GAMES INGENIERI SA	F	CIM	2434
GEC ELECTRICAL PROJECTS	UK	CIM	688
GEC ELECTRICAL PROJECTS	UK	CIM	2032
GEC ELECTRICAL PROJECTS	UK	CIM	2588
GEC ELECTRICAL PROJECTS	UK	CIM	2617
GEC ELECTRICAL PROJECTS	UK	IPS	2255
GEC MARCONI LTD	UK	IPS	2565

GEC MARCONI LTD	UK	OBS	2267
GEC PLESSEY TELECOMMUNICATIONS LTD	UK	OBS	2267
GEC RESEARCH LABORATORIES	UK	CIM	179
GEC RESEARCH LABORATORIES	UK	CIM	384
GEC RESEARCH LABORATORIES	UK	CIM	1062
GEC RESEARCH LABORATORIES	UK	CIM	2588
GEC RESEARCH LABORATORIES	UK	IPS	26
GEC RESEARCH LABORATORIES	UK	IPS	32
GEC RESEARCH LABORATORIES	UK	IPS	401
GEC RESEARCH LABORATORIES	UK	IPS	415
GEC RESEARCH LABORATORIES	UK	IPS	866
GEC RESEARCH LABORATORIES	UK	IPS	867
GEC RESEARCH LABORATORIES	UK	IPS	940
GEC RESEARCH LABORATORIES	UK	IPS	967
GEC RESEARCH LABORATORIES	UK	IPS	1035
GEC RESEARCH LABORATORIES	UK	IPS	1063
GEC RESEARCH LABORATORIES	UK	IPS	2152
GEC RESEARCH LABORATORIES	UK	IPS	2152
GEC RESEARCH LABORATORIES	UK	IPS	2316
GEC RESEARCH LABORATORIES	UK	IPS	2502
GEC RESEARCH LABORATORIES	UK	IPS	2576
GEC RESEARCH LABORATORIES	UK	MEL	10
GEC RESEARCH LABORATORIES	UK	MEL	14
GEC RESEARCH LABORATORIES	UK	MEL	245
GEC RESEARCH LABORATORIES	UK	MEL	263
GEC RESEARCH LABORATORIES	UK	MEL	305
GEC RESEARCH LABORATORIES	UK	MEL	370
GEC RESEARCH LABORATORIES	UK	MEL	380
GEC RESEARCH LABORATORIES	UK	MEL	514
GEC RESEARCH LABORATORIES	UK	MEL	519
GEC RESEARCH LABORATORIES	UK	MEL	522
GEC RESEARCH LABORATORIES	UK	MEL	833
GEC RESEARCH LABORATORIES	UK	MEL	843

GEC RESEARCH LABORATORIES	UK	MEL	958
GEC RESEARCH LABORATORIES	UK	MEL	962
GEC RESEARCH LABORATORIES	UK	MEL	971
GEC RESEARCH LABORATORIES	UK	MEL	986
GEC RESEARCH LABORATORIES	UK	MEL	2075
GEC RESEARCH LABORATORIES	UK	MEL	2283
GEC RESEARCH LABORATORIES	UK	MEL	2360
GEC RESEARCH LABORATORIES	UK	OBS	43
GEC RESEARCH LABORATORIES	UK	OBS	234
GEC RESEARCH LABORATORIES	UK	OBS	249
GEC RESEARCH LABORATORIES	UK	OBS	395
GEC RESEARCH LABORATORIES	UK	OBS	612
GEC RESEARCH LABORATORIES	UK	OBS	925
GEC RESEARCH LABORATORIES	UK	OBS	954
GEC RESEARCH LABORATORIES	UK	OBS	2054
GEC RESEARCH LABORATORIES	UK	OBS	2431
GEC SOFTWARE LTD	UK	IPS	951
GEC SOFTWARE LTD	UK	IPS	1282
GEC SOFTWARE LTD	UK	IPS	2565
GENERAL ELECTRIC COMPANY	UK	CIM	955
GENERAL ELECTRIC COMPANY	UK	IES	33
GENERAL ELECTRIC COMPANY	UK	IES	719
GENERAL ELECTRIC COMPANY	UK	OBS	43
GENERIC SOFTWARE LTD	IRL	CIM	496
GENERIC SOFTWARE LTD	IRL	IPS	510
GENERIC SOFTWARE LTD	IRL	IPS	2565
GESELLSCHAFT ZUR ENTWICKLUNG VON DV- METHODEN, ALGORITMEN UND PROGRAMMEN MBH	D	CIM	2010
GESI SRL	I	OBS	2221
GESI SRL	I	OBS	2463
GFI	F	IPS	892
GFS GESELLSCHAFT FUER STRUKTURANALYSE	D	CIM	322
GFS GESELLSCHAFT FUER STRUKTURANALYSE	D	CIM	2195
GIE EMERAUDE	F	IPS	1277

GIE EMERAUDE	F	IPS	1520
GIE EMERAUDE	F	IPS	2565
GIE EMERAUDE	F	OBS	2294
GILDEMEISTER AUTOMATION GMBH	D	CIM	2590
GIPSI S.A.	F	IPS	2177
GIPSI S.A.	F	OBS	2569
GIT GESELLSCHAFT FUER INGENIEURTECHNIKEN	D	IPS	1106
GLAVERBEL SA	B	MEL	957
GN GREAT NORDIC LTD	DK	OBS	59
GPP GESELLSCHAFT FUER PROZESSRECHNER PROGRAMMIERUNG MBH	D	IPS	267
GREATER LONDON ENTERPRISE	UK	CIM	1199
GRS GESELLSCHAFT FUER REAKTORSICHERHEIT	D	CIM	504
GRS GESELLSCHAFT FUER REAKTORSICHERHEIT	D	IPS	300
GRS GESELLSCHAFT FUER REAKTORSICHERHEIT	D	IPS	2151
GRS GESELLSCHAFT FUER REAKTORSICHERHEIT	D	IPS	2354
GRS GESELLSCHAFT FUER REAKTORSICHERHEIT	D	OBS	2322
GRUMANN DATEN-KOMMUNIKATION GMBH, DR. JENS	D	IPS	2487
GRUPO APD SA	E	IPS	2528
GRUPO APD SA	E	OBS	2569
GRUPO DE MECANICA DEL VUELO SA	E	IPS	1520
GRUPO DE MECANICA DEL VUELO SA	E	IPS	2565
GSD GESELLSCHAFT F. SIMULATIONSTECHNIK U. DATENVERARBEITUNG	D	MEL	2318
GSI TECSI SOFTWARE	F	IPS	282
GSI TECSI SOFTWARE	F	IPS	282
GSI TECSI SOFTWARE	F	IPS	937
GSI TECSI SOFTWARE	F	IPS	1550
GSI TECSI SOFTWARE	F	IPS	2080
GSI TECSI SOFTWARE	F	OBS	831
GTS GMBH	D	CIM	496
GTS GMBH	D	OBS	2463
HARLEQUIN LTD	UK	IPS	1256
HARLEQUIN LTD	UK	OBS	2105

HARTMANN & BRAUN AG	D	CIM	2172
HCS INDUSTRIAL AUTOMATION BV	NL	CIM	2178
HELLENIC AEROSPACE INDUSTRY	GR	CIM	2165
HEPTACON LIMITED	UK	OBS	2382
HEWLETT-PACKARD	UK	OBS	2100
HEWLETT-PACKARD GMBH	D	CIM	2195
HEWLETT-PACKARD-FRANCE	F	CIM	688
HEWLETT-PACKARD-FRANCE	F	OBS	2267
HITEC LTD	GR	CIM	2043
HITEC LTD	GR	IPS	1252
HITEC LTD	GR	IPS	2469
HITEC LTD	GR	MEL	2394
HITEC LTD	GR	OBS	2103
HITEC LTD	GR	OBS	2463
HOECHST AG	D	MEL	2013
HOECHST AG	D	MEL	2048
HOECHST CERAMTEC AG	D	MEL	2075
HONEYWELL BULL ITALIA SPA	I	IPS	2565
HONEYWELL BULL ITALIA SPA	I	MEL	2426
HONEYWELL BULL ITALIA SPA	I	OBS	2170
HONEYWELL BULL ITALIA SPA	I	OBS	2512
HONEYWELL EUROPE SA	B	OBS	2431
HOWALDTSWERKE - DEUTSCHE WERFT AG	D	CIM	2010
HUNTING TECHNICAL SERVICES LTD	UK	IPS	867
HUNTING TECHNICAL SERVICES LTD	UK	IPS	2316
I/S DATACENTRALEN AF 1959	DK	OBS	831
I/S DATACENTRALEN AF 1959	DK	OBS	2144
IBERDUERO SA	E	IPS	2256
IBERDUERO SA	E	IPS	2615
IBERMATICA SA	E	IPS	2592
IBM DEUTSCHLAND GMBH	D	CIM	293
IBM DEUTSCHLAND GMBH	D	CIM	688
IBM DEUTSCHLAND GMBH	D	OBS	2374

IBP PIETZSCH GMBH	D	IPS	2092
ICI IMAGEDATA	UK	CIM	2127
ICI IMAGEDATA	UK	MEL	443
ICI IMAGEDATA	UK	MEL	2284
ICI WAFER TECHNOLOGY	UK	MEL	2518
ICL BELGIUM	B	IES	700
ICL-INTERNATIONAL COMPUTERS LTD	UK	BR	3074
ICL-INTERNATIONAL COMPUTERS LTD	UK	BR	3125
ICL-INTERNATIONAL COMPUTERS LTD	UK	CIM	688
ICL-INTERNATIONAL COMPUTERS LTD	UK	CIM	809
ICL-INTERNATIONAL COMPUTERS LTD	UK	CIM	955
ICL-INTERNATIONAL COMPUTERS LTD	UK	IES	33
ICL-INTERNATIONAL COMPUTERS LTD	UK	IES	719
ICL-INTERNATIONAL COMPUTERS LTD	UK	IPS	32
ICL-INTERNATIONAL COMPUTERS LTD	UK	IPS	280
ICL-INTERNATIONAL COMPUTERS LTD	UK	IPS	315
ICL-INTERNATIONAL COMPUTERS LTD	UK	IPS	938
ICL-INTERNATIONAL COMPUTERS LTD	UK	IPS	951
ICL-INTERNATIONAL COMPUTERS LTD	UK	IPS	2025
ICL-INTERNATIONAL COMPUTERS LTD	UK	MEL	887
ICL-INTERNATIONAL COMPUTERS LTD	UK	MEL	888
ICL-INTERNATIONAL COMPUTERS LTD	UK	MEL	2072
ICL-INTERNATIONAL COMPUTERS LTD	UK	MEL	2270
ICL-INTERNATIONAL COMPUTERS LTD	UK	MEL	2394
ICL-INTERNATIONAL COMPUTERS LTD	UK	OBS	231
ICL-INTERNATIONAL COMPUTERS LTD	UK	OBS	385
ICL-INTERNATIONAL COMPUTERS LTD	UK	OBS	449
ICL-INTERNATIONAL COMPUTERS LTD	UK	OBS	834
ICL-INTERNATIONAL COMPUTERS LTD	UK	OBS	956
ICL-INTERNATIONAL COMPUTERS LTD	UK	OBS	1024
ICL-INTERNATIONAL COMPUTERS LTD	UK	OBS	1533
ICL-INTERNATIONAL COMPUTERS LTD	UK	OBS	2105
ICL-INTERNATIONAL COMPUTERS LTD	UK	OBS	2221

ICL-INTERNATIONAL COMPUTERS LTD	UK	OBS	2267
ICL-INTERNATIONAL COMPUTERS LTD	UK	OBS	2374
ICL-INTERNATIONAL COMPUTERS LTD	UK	OBS	2476
ICS	NL	MEL	991
IDATE	F	OBS	2054
IDS-INTELLIGENT DECISION SYSTEMS SA	E	CIM	2192
IDS-INTELLIGENT DECISION SYSTEMS SA	E	CIM	2457
IDS-INTELLIGENT DECISION SYSTEMS SA	E	CIM	2590
IDS-INTELLIGENT DECISION SYSTEMS SA	E	IPS	2397
IGC-INSPECTION Y GARANTIA DE CALIDAD SA	E	CIM	2192
IGC-INSPECTION Y GARANTIA DE CALIDAD SA	E	OBS	2322
IKO SOFTWARE SERVICE GMBH	D	OBS	2239
IKO SOFTWARE SERVICE GMBH	D	OBS	2476
IMPERIAL CHEMICAL INDUSTRIES PLC	UK	CIM	2671
IMPERIAL CHEMICAL INDUSTRIES PLC	UK	OBS	2103
IMPERIAL SOFTWARE TECHNOLOGY LTD	UK	IPS	1041
INDECON	GR	CIM	2043
INDECON	GR	IPS	2620
INDEPENDENT BROADCASTING AUTH	UK	OBS	563
INDUSTRIE FACE STANDARD SPA	I	IPS	2094
INDUSTRIE FACE STANDARD SPA	I	OBS	249
INDUSTRIE FACE STANDARD SPA	I	OBS	1057
INDUSTRIE FACE STANDARD SPA	I	OBS	2054
INDUSTRIE PIRELLI SPA	I	CIM	932
INDUSTRIE PIRELLI SPA	I	CIM	2434
INDUSTRIE PIRELLI SPA	I	OBS	2431
INDUSTRIE ZANUSSI SPA	I	CIM	2637
INDUYCO/INVESTRONICA	E	CIM	384
INDUYCO/INVESTRONICA	E	CIM	2202
INFOARBED SARL	L	IES	710
INFORMATION TECHNOLOGY PLC	UK	OBS	2267
INFOSYS	F	IPS	2025
INFOSYS	F	IPS	2427

INFOSYS	F	IPS	2443
INFOTAP SA	L	OBS	2109
ING. C. OLIVETTI & C. SPA	I	CIM	418
ING. C. OLIVETTI & C. SPA	I	CIM	2617
ING. C. OLIVETTI & C. SPA	I	IES	33
ING. C. OLIVETTI & C. SPA	I	IES	719
ING. C. OLIVETTI & C. SPA	I	IPS	32
ING. C. OLIVETTI & C. SPA	I	IPS	125
ING. C. OLIVETTI & C. SPA	I	IPS	311
ING. C. OLIVETTI & C. SPA	I	IPS	401
ING. C. OLIVETTI & C. SPA	I	IPS	951
ING. C. OLIVETTI & C. SPA	I	IPS	2104
ING. C. OLIVETTI & C. SPA	I	IPS	2427
ING. C. OLIVETTI & C. SPA	I	MEL	2013
ING. C. OLIVETTI & C. SPA	I	MEL	2125
ING. C. OLIVETTI & C. SPA	I	MEL	2394
ING. C. OLIVETTI & C. SPA	I	OBS	28
ING. C. OLIVETTI & C. SPA	I	OBS	291
ING. C. OLIVETTI & C. SPA	I	OBS	295
ING. C. OLIVETTI & C. SPA	I	OBS	385
ING. C. OLIVETTI & C. SPA	I	OBS	395
ING. C. OLIVETTI & C. SPA	I	OBS	831
ING. C. OLIVETTI & C. SPA	I	OBS	834
ING. C. OLIVETTI & C. SPA	I	OBS	853
ING. C. OLIVETTI & C. SPA	I	OBS	855
ING. C. OLIVETTI & C. SPA	I	OBS	956
ING. C. OLIVETTI & C. SPA	I	OBS	1024
ING. C. OLIVETTI & C. SPA	I	OBS	1533
ING. C. OLIVETTI & C. SPA	I	OBS	2103
ING. C. OLIVETTI & C. SPA	I	OBS	2105
ING. C. OLIVETTI & C. SPA	I	OBS	2109
ING. C. OLIVETTI & C. SPA	I	OBS	2170
ING. C. OLIVETTI & C. SPA	I	OBS	2374

INGECIBER	E	CIM	2626
INGENIERIA DE SISTEMAS DE INFORMACION	E	CIM	2010
INISEL	E	CIM	2017
INMOS LIMITED	UK	IPS	1085
INMOS LIMITED	UK	IPS	2447
INMOS LIMITED	UK	MEL	2270
INMOS LIMITED	UK	OBS	2102
INSTITUT FUER ORGANISATIONSFORSCHUNG & TECHNOLOGIEANWENDUNG	D	OBS	285
INSTITUT FUER ORGANISATIONSFORSCHUNG & TECHNOLOGIEANWENDUNG	D	OBS	2082
INTECS INTERNATIONAL SA	B	OBS	2294
INTECS SISTEMI SPA	I	IPS	2565
INTELLIGENT SOFTWARE SOLUTIONS SA	E	IPS	2474
INTELLISOFT SARL	F	IPS	2154
INTERFACE CONCILIUM GMBH	D	BR	3178
INTERMETALL, HALBLEITERWERK DER DEUTSCHE ITT INDUSTRIES GMBH	D	OBS	2102
INTERPROGRAM BV	NL	IPS	1252
INTERSYS GRAPHIC	B	OBS	853
INTRACOM SA	GR	CIM	2658
INTRACOM SA	GR	IPS	2080
INTRASOFT SA	GR	CIM	2090
INTRASOFT SA	GR	OBS	2294
IPACRI- ISTITUTO PER L'AUTOMAZIONE DELLE CASSE DI RISPARMIO	I	OBS	285
IPACRI- ISTITUTO PER L'AUTOMAZIONE DELLE CASSE DI RISPARMIO	I	OBS	2476
IRAM	F	IPS	898
IRISH MEDICAL SYSTEMS	IRL	OBS	2144
IRISH MEDICAL SYSTEMS	IRL	OBS	2221
ISA RIBER	F	MEL	305
ISELQUI SPA	I	OBS	367
ISQ - ISTITUTO E QUALIDADE	P	CIM	2626
ISYKON SOFTWARE GMBH	D	CIM	2195

ITALCAD TECNOLOGIE E SISTEMI SPA	I	CIM	2195
ITALSIEL SPA	I	CIM	595
ITALSIEL SPA	I	CIM	688
ITALTEL TELEMATICA SPA	I	MEL	802
ITALTEL TELEMATICA SPA	I	OBS	367
ITALTEL TELEMATICA SPA	I	OBS	813
ITK INFORMATIONS-TECHNOLOGIE KIEL GMBH	D	OBS	237
ITMI	F	IPS	940
ITS-INGENIERIA Y TECNOLOGIA DE SISTEMAS SA	E	IPS	2487
IVIMA-EMP.IND. DO VIDRO DA MARINHA	P	CIM	2671
JAMES MARTIN ASSOCIATES	B	IPS	928
JEUMONT-SCHNEIDER TELECOMMUNICATIONS	F	CIM	2198
JEUMONT-SCHNEIDER TELECOMMUNICATIONS	F	IPS	818
JEUMONT-SCHNEIDER TELECOMMUNICATIONS	F	IPS	874
JEUMONT-SCHNEIDER TELECOMMUNICATIONS	F	OBS	1059
JEUMONT-SCHNEIDER TELECOMMUNICATIONS	F	OBS	2146
JOHN BELL TECHNICAL SYSTEMS LTD	UK	IPS	1258
JOHNSON MATTHEY CHEMICAL	UK	MEL	574
JOYCE-LOEBL LTD	UK	CIM	278
JOYCE-LOEBL LTD	UK	CIM	2640
JOYCE-LOEBL LTD	UK	CIM	2658
JUDEX DATASYSTEMER A/S	DK	IPS	599
JYSK TELEFON (JTAS)	DK	IPS	2094
JYSK TELEFON (JTAS)	DK	IPS	2589
JYSK TELEFON (JTAS)	DK	OBS	1541
JYSK TELEFON (JTAS)	DK	OBS	2322
JYSK TELEFON (JTAS)	DK	OBS	2431
KADE-TECH	F	CIM	2590
KERN & CO. AS	CH	OBS	2103
KGMG PEAT MARWICK TREUHAND GMBH	D	IPS	2092
KMK KREUTZ & MAYR	D	CIM	2292
KMK KREUTZ & MAYR	D	CIM	2617
KONTRON ELEKTRONIK GMBH	D	OBS	2484

KRUPP ATLAS DATENSYSTEME GMBH	D	CIM	809
KRUPP ATLAS DATENSYSTEME GMBH	D	CIM	2165
KRUPP ATLAS DATENSYSTEME GMBH	D	CIM	2415
KRUPP ATLAS ELEKTRONIK GMBH	D	IPS	2255
KRUPP FORSCHUNGSINSTITUT	D	CIM	2127
KRUPP FORSCHUNGSINSTITUT	D	CIM	2165
KRUPP FORSCHUNGSINSTITUT	D	CIM	2671
KRUPP FORSCHUNGSINSTITUT	D	IPS	2288
KTAS	DK	OBS	563
KTAS	DK	OBS	2100
KUKA SCHWEISSANLAGEN + ROBOTER GMBH	D	CIM	623
KUKA SCHWEISSANLAGEN + ROBOTER GMBH	D	CIM	1561
KUKA SCHWEISSANLAGEN + ROBOTER GMBH	D	CIM	2202
KUKA SCHWEISSANLAGEN + ROBOTER GMBH	D	CIM	2637
L-CUBE INFORMATION SYSTEMS SA	GR	OBS	2100
L-CUBE INFORMATION SYSTEMS SA	GR	OBS	2315
LABEN INDUSTRIE PER LO SPAZIO E LE TELECOMUNICAZIONI	I	IPS	2409
LABORATOIRE DE PHYSIQUE APPLIQUEE	F	MEL	232
LABORATOIRE DE PHYSIQUE APPLIQUEE	F	MEL	843
LABORATOIRE DE PHYSIQUE APPLIQUEE	F	MEL	927
LABORATOIRE DE PHYSIQUE APPLIQUEE	F	MEL	1128
LABORATOIRE DE PHYSIQUE APPLIQUEE	F	MEL	2518
LABORELEC	B	IPS	2167
LANGTON LTD	UK	OBS	1573
LASER-SCAN LABORATORIES LTD	UK	OBS	2463
LEGRAND SA	F	OBS	2431
LER - LAB. ELECTRONIC. DE RENNES	F	MEL	2268
LEUVEN MEASUREMENT & SYSTEMS INTERNATIONAL	B	CIM	322
LEUVEN MEASUREMENT & SYSTEMS INTERNATIONAL	B	CIM	1561
LEUVEN MEASUREMENT & SYSTEMS INTERNATIONAL	B	CIM	2486
LEXIKON	I	MEL	2013
LEYBOLD HERAEUS GMBH	D	MEL	334
LEYBOLD HERAEUS GMBH	D	MEL	574

LEYBOLD HERAEUS GMBH	D	MEL	1563
LGMI	F	OBS	2512
LIPS BV	NL	CIM	2165
LIVERPOOL DATA RESEARCH ASSOC.	UK	IPS	1258
LLOYD'S REGISTER OF SHIPPING	UK	IPS	2163
LLOYD'S REGISTER OF SHIPPING	UK	IPS	2487
LOGIC PROGRAMMING ASSOCIATES LTD	UK	IPS	2469
LOGIC PROGRAMMING ASSOCIATES LTD	UK	OBS	2484
LOGICA SDS LTD	UK	IPS	2101
LOGICA UK LTD	UK	BR	3066
LOGICA UK LTD	UK	CIM	418
LOGICA UK LTD	UK	IPS	599
LOGICA UK LTD	UK	IPS	1261
LOGICA UK LTD	UK	IPS	2101
LOGICA UK LTD	UK	IPS	2218
LOGICA UK LTD	UK	IPS	2589
LOGICA UK LTD	UK	OBS	901
LOGOS PROGETTI SRL	I	OBS	234
LOMBARDIA INFORMATICA SPA	I	OBS	2170
LOMBARDIA INFORMATICA SPA	I	OBS	2221
LUCAS AUTOMOTIVE LTD	UK	CIM	2277
LUCAS STABILITY ELECTRON	UK	MEL	544
LVD COMPANY NV	B	CIM	1652
LVD COMPANY NV	B	CIM	2457
LVD COMPANY NV	B	CIM	2623
MAATSCHAPPIJ VOOR INFORMATICA DIENSTEN BV	NL	OBS	2466
MACEDONIAN & THRACE BANK SA	GR	OBS	2476
MACHINE INTELLIGENCE LTD	UK	BR	3152
MAGNEMAG A/S	DK	CIM	2439
MAGNETI MARELLI	I	CIM	2617
MAGUE	P	CIM	2192
MANDELLI SPA	I	CIM	2127
MANDELLI SPA	I	CIM	2349

MANNESMANN DATENVERARBEITUNG GMBH	D	CIM	2527
MANNESMANN DEMAG AG	D	CIM	2527
MANNESMANN HARTMANN & BRAUN	D	CIM	2527
MANNESMANN KIENZLE GMBH	D	CIM	1556
MANNESMANN KIENZLE GMBH	D	CIM	2527
MANNESMANN KIENZLE GMBH	D	CIM	2527
MAPS INFORMATICA INDUSTRIAL	E	IPS	1560
MARBEN	F	IPS	1265
MARCONI COMMAND & CONTROL SYSTEMS LTD	UK	IPS	2152
MARCONI COMMAND & CONTROL SYSTEMS LTD	UK	IPS	2152
MARCONI COMMAND & CONTROL SYSTEMS LTD	UK	IPS	2316
MARCONI COMMAND & CONTROL SYSTEMS LTD	UK	IPS	2487
MARCONI COMMAND & CONTROL SYSTEMS LTD	UK	IPS	2576
MARCONI DEFENCE SYSTEMS LTD	UK	IPS	1261
MARCONI ELECTRONIC DEVICES LTD	UK	MEL	1551
MARCONI ELECTRONIC DEVICES LTD	UK	MEL	2426
MARCONI INSTRUMENTS LTD	UK	MEL	2318
MARCONI SIMULATION LTD	UK	IPS	2615
MARCONI SPACE SYSTEMS LTD	UK	IPS	2316
MARI ADVANCED MICROELECTRONICS LTD	UK	CIM	278
MARI ADVANCED MICROELECTRONICS LTD	UK	CIM	2656
MARI ADVANCED MICROELECTRONICS LTD	UK	CIM	2658
MARI ADVANCED MICROELECTRONICS LTD	UK	IPS	818
MARI ADVANCED MICROELECTRONICS LTD	UK	IPS	874
MARI ADVANCED MICROELECTRONICS LTD	UK	OBS	237
MATRA COMMUNICATION	F	IPS	2101
MATRA DATAVISION	F	CIM	409
MATRA DATAVISION	F	CIM	2590
MATRA ESPACE	F	IPS	940
MATRA ESPACE	F	IPS	974
MATRA ESPACE	F	IPS	1609
MATRA HARRIS SEMICONDUCTEURS (MHS)	F	MEL	369
MATRA HARRIS SEMICONDUCTEURS (MHS)	F	MEL	509

MATRA HARRIS SEMICONDUCTEURS (MHS)	F	MEL	554
MATRA HARRIS SEMICONDUCTEURS (MHS)	F	MEL	802
MATRA HARRIS SEMICONDUCTEURS (MHS)	F	MEL	2193
MATRA SA	F	CIM	418
MATRA SA	F	IPS	1560
MATRA SA	F	IPS	2502
MATRA SA	F	MEL	2478
MBB MESSERSCHMITT BOLKOW BLOHM GMBH	D	IPS	2316
MBB MESSERSCHMITT BOLKOW BLOHM GMBH	D	OBS	1051
MBLE SA	B	CIM	688
MBLE SA	B	CIM	812
MBLE SA	B	CIM	2017
MBP SOFTWARE & SYSTEMS GMBH	D	IPS	2443
MC2	F	OBS	831
MCTS-MICRO-CONNECTIQUE TECHNOLOGIES	F	MEL	2075
MDC	UK	CIM	2010
MECANICA DE LA PENA SA	E	CIM	2590
MEDIMATICA LTD	UK	IPS	1592
MEIKO LTD	UK	IPS	2471
MEMORY COMPUTER PLC	IRL	OBS	1030
MEMORY COMPUTER PLC	IRL	OBS	2144
MENTEC INTERNATIONAL LTD	IRL	CIM	319
MENTEC INTERNATIONAL LTD	IRL	CIM	909
MENTEC INTERNATIONAL LTD	IRL	CIM	2172
MESSER GRIESHEIM	D	CIM	9
METALWORKS OF ATTIKA SA	GR	CIM	2640
METEK SA	GR	CIM	2043
METEK SA	GR	CIM	2090
METEK SA	GR	CIM	2457
METEK SA	GR	IPS	2620
MICHEL VAN DE WIELE NV	B	CIM	1652
MICHEL VAN DE WIELE NV	B	CIM	2623
MICRO FOCUS LTD	UK	IPS	928

MICRO-CONTROLE	F	MEL	2048
MICROIN S.A.L.	E	CIM	1652
MICROIN S.A.L.	E	CIM	2623
MICROLOGICA	D	CIM	2439
MICROTECNICA SPA	I	CIM	1136
MIETEC NV	B	MEL	370
MIETEC NV	B	MEL	1563
MIETEC NV	B	MEL	2193
MINISTRY OF DEFENCE UK	UK	IPS	2565
MINIWATT SA	E	CIM	1653
MINIWATT SA	E	CIM	2428
MNEMONICA COMPUTER SERVICES	GR	IPS	1542
MNEMONICA COMPUTER SERVICES	GR	OBS	28
MO VALVE COMPANY LTD	UK	MEL	830
MODULAR COMPUTER GMBH - MODCOMP	D	OBS	395
MODULEX A/S	DK	MEL	833
MODULEX A/S	DK	OBS	878
MONO LIGHT INSTRUMENTS LTD	UK	MEL	574
MONTEFIBRE SPA	I	CIM	2172
MOOG CONTROLS LTD	UK	CIM	2280
MORPHO-SYSTEMES	F	BR	3352
MOTOR OIL	GR	CIM	2090
MR. RUDOLF HORNER	D	CIM	2292
MR. RUDOLF HORNER	D	CIM	2617
MYFRA SA	F	OBS	612
NADA CONSULTING GROUP	UK	CIM	2656
NATIONAL SOFTWARE CENTRE LTD	IRL	OBS	59
NCC-NATIONAL COMPUTING CENTRE	UK	IPS	2046
NCODE INTERNATIONAL LTD	UK	CIM	2486
NEA-LINDBERG A/S	DK	IPS	820
NEDERLANDSE PHILIPS BEDRIJVEN BV	NL	BR	3020
NEDERLANDSE PHILIPS BEDRIJVEN BV	NL	BR	3215
NEDERLANDSE PHILIPS BEDRIJVEN BV	NL	CIM	1062

NEDERLANDSE PHILIPS BEDRIJVEN BV	NL	CIM	1653
NEDERLANDSE PHILIPS BEDRIJVEN BV	NL	CIM	2017
NEDERLANDSE PHILIPS BEDRIJVEN BV	NL	CIM	2032
NEDERLANDSE PHILIPS BEDRIJVEN BV	NL	CIM	2428
NEDERLANDSE PHILIPS BEDRIJVEN BV	NL	IPS	2104
NEDERLANDSE PHILIPS BEDRIJVEN BV	NL	IPS	2427
NEDERLANDSE PHILIPS BEDRIJVEN BV	NL	IPS	2565
NEDERLANDSE PHILIPS BEDRIJVEN BV	NL	MEL	887
NEDERLANDSE PHILIPS BEDRIJVEN BV	NL	MEL	962
NEDERLANDSE PHILIPS BEDRIJVEN BV	NL	MEL	2048
NEDERLANDSE PHILIPS BEDRIJVEN BV	NL	MEL	2072
NEDERLANDSE PHILIPS BEDRIJVEN BV	NL	MEL	2260
NEDERLANDSE PHILIPS BEDRIJVEN BV	NL	MEL	2281
NEDERLANDSE PHILIPS BEDRIJVEN BV	NL	MEL	2318
NEDERLANDSE PHILIPS BEDRIJVEN BV	NL	MEL	2430
NEDERLANDSE PHILIPS BEDRIJVEN BV	NL	MEL	2437
NEDERLANDSE PHILIPS BEDRIJVEN BV	NL	MEL	2478
NEH ENGINEERING	DK	CIM	322
NEH ENGINEERING	DK	CIM	1199
NEH ENGINEERING	DK	CIM	2180
NEPTUNE FREIGHT LTD	IRL	OBS	2382
NIXDORF COMPUTER AG	D	CIM	955
NIXDORF COMPUTER AG	D	CIM	2617
NIXDORF COMPUTER AG	D	IPS	32
NIXDORF COMPUTER AG	D	IPS	311
NIXDORF COMPUTER AG	D	IPS	415
NIXDORF COMPUTER AG	D	IPS	2154
NIXDORF COMPUTER AG	D	IPS	2427
NIXDORF COMPUTER AG	D	IPS	2565
NIXDORF COMPUTER AG	D	MEL	2072
NIXDORF COMPUTER AG	D	MEL	2270
NIXDORF COMPUTER AG	D	OBS	43
NIXDORF COMPUTER AG	D	OBS	64

NIXDORF COMPUTER AG	D	OBS	395
NIXDORF COMPUTER AG	D	OBS	563
NIXDORF COMPUTER AG	D	OBS	834
NIXDORF COMPUTER AG	D	OBS	956
NIXDORF COMPUTER AG	D	OBS	1024
NIXDORF COMPUTER AG	D	OBS	1533
NIXDORF COMPUTER AG	D	OBS	1573
NIXDORF COMPUTER AG	D	OBS	2071
NIXDORF COMPUTER AG	D	OBS	2121
NIXDORF COMPUTER AG	D	OBS	2374
NIXDORF COMPUTER AG	D	OBS	2404
NIXDORF COMPUTER SPA	I	OBS	2111
NKT ELEKTRONIK	DK	OBS	169
NKT ELEKTRONIK	DK	OBS	870
NKT ELEKTRONIK	DK	OBS	2100
NOESIS	F	IPS	940
NOKIA CORPORATION	SF	IPS	2565
NOKIA CORPORATION	SF	OBS	2083
NOKIA GRAETZ GMBH	D	OBS	2455
NON STANDARD LOGICS	F	IPS	1256
NORDISK BROWN BOVERI A/S	D	IPS	857
NORDISK BROWN BOVERI A/S	D	IPS	1094
NORSK DATA GMBH GERMANY	D	CIM	2165
NORSKE DATA A.S.	N	CIM	2165
NORSKE DATA A.S.	N	CIM	2195
NTE NEUTECH ENTWICKLUNGS-GESELLSCHAFT MBH & CO KG	D	CIM	2457
NUMERICAL ALGORITHMS GROUP LTD	UK	IPS	1072
NUMERICAL ALGORITHMS GROUP LTD	UK	IPS	2528
NUMERICAL ALGORITHMS GROUP LTD	UK	IPS	2620
O DATI ESPANOLA S.L.	E	IPS	1527
O DATI ESPANOLA S.L.	E	OBS	2111
OCE-NEDERLAND BV	NL	IPS	1283
OCE-NEDERLAND BV	NL	IPS	2304

OCE-NEDERLAND BV	NL	MEL	2360
OCE-NEDERLAND BV	NL	OBS	43
OCE-NEDERLAND BV	NL	OBS	82
OCE-NEDERLAND BV	NL	OBS	612
OCE-NEDERLAND BV	NL	OBS	813
OCE-NEDERLAND BV	NL	OBS	1024
OCE-NEDERLAND BV	NL	OBS	2001
OCE-NEDERLAND BV	NL	OBS	2374
OCE-NEDERLAND BV	NL	OBS	2638
OCN-PPL SPA	I	CIM	118
ODENSE STEEL SHIPYARD	DK	CIM	595
OEVA-VERSICHERUNGEN	D	OBS	2382
OFFICE WORKSTATIONS LTD	UK	OBS	2466
OLIVETTI SA	B	IES	700
ONERA-CERT	F	BR	3125
OPTEC	I	OBS	2103
ORGANON INTERNATIONAL BV	NL	IPS	1570
OROS	F	OBS	64
OSAI A-B SPA	I	CIM	2617
OSITEL SA	F	OBS	2512
OSTERREICHISCHE PHILIPS INDUSTRIE GMBH	A	CIM	2434
OTTER ONLINE GMBH	D	OBS	2382
OVE ARUP & PARTNERS	UK	IPS	2528
OY SAAB-VALMET AB	SF	CIM	2277
PA CONSULTING GROUP	UK	CIM	2338
PA CONSULTING GROUP	UK	IPS	814
PA CONSULTING GROUP	UK	OBS	2082
PAFEC LTD	UK	CIM	2165
PAGE IBERICA SA	E	IPS	2101
PANDATA BV	NL	CIM	2439
PANDATA BV	NL	OBS	2083
PANDATA BV	NL	OBS	2111
PCS COMPUTERSYSTEME GMBH	D	IPS	1094

PCS COMPUTERSYSTEME GMBH	D	IPS	1588
PCS COMPUTERSYSTEME GMBH	D	MEL	991
PCS COMPUTERSYSTEME GMBH	D	OBS	890
PEAT MARWICK MCLINTOCK	UK	OBS	2082
PEGASO/ENASA	E	CIM	2349
PEGASO/ENASA	E	CIM	2671
PHILIPS DATASYSTEMS	NL	OBS	28
PHILIPS GLOEILAMPENFABRIEKEN NV	NL	BR	3133
PHILIPS GLOEILAMPENFABRIEKEN NV	NL	CIM	1062
PHILIPS GLOEILAMPENFABRIEKEN NV	NL	IPS	415
PHILIPS GLOEILAMPENFABRIEKEN NV	NL	IPS	432
PHILIPS GLOEILAMPENFABRIEKEN NV	NL	IPS	1041
PHILIPS GLOEILAMPENFABRIEKEN NV	NL	IPS	1117
PHILIPS GLOEILAMPENFABRIEKEN NV	NL	IPS	2592
PHILIPS GLOEILAMPENFABRIEKEN NV	NL	MEL	97
PHILIPS GLOEILAMPENFABRIEKEN NV	NL	MEL	369
PHILIPS GLOEILAMPENFABRIEKEN NV	NL	MEL	412
PHILIPS GLOEILAMPENFABRIEKEN NV	NL	MEL	887
PHILIPS GLOEILAMPENFABRIEKEN NV	NL	MEL	1058
PHILIPS GLOEILAMPENFABRIEKEN NV	NL	MEL	2016
PHILIPS GLOEILAMPENFABRIEKEN NV	NL	MEL	2265
PHILIPS GLOEILAMPENFABRIEKEN NV	NL	MEL	2272
PHILIPS GLOEILAMPENFABRIEKEN NV	NL	OBS	295
PHILIPS GLOEILAMPENFABRIEKEN NV	NL	OBS	385
PHILIPS GLOEILAMPENFABRIEKEN NV	NL	OBS	901
PHILIPS GMBH	D	BR	3352
PHILIPS GMBH	D	CIM	932
PHILIPS GMBH	D	CIM	2434
PHILIPS INTERNATIONAL BV	NL	IPS	2424
PHILIPS INTERNATIONAL BV	NL	IPS	2620
PHILIPS INTERNATIONAL BV	NL	MEL	2426
PHILIPS INTERNATIONAL BV	NL	OBS	43
PHILIPS INTERNATIONAL BV	NL	OBS	2105

PHILIPS INTERNATIONAL BV	NL	OBS	2267
PHILIPS INTERNATIONAL BV	NL	OBS	2431
PHILIPS KOMMUNIKATIONS INDUSTRIE AG	D	IPS	2104
PHILIPS KOMMUNIKATIONS INDUSTRIE AG	D	OBS	925
PHILIPS KOMMUNIKATIONS INDUSTRIE AG	D	OBS	2105
PHILIPS RESEARCH LABORATORIES	UK	MEL	1056
PHILIPS RESEARCH LABORATORIES	UK	OBS	2102
PHILIPS SA	B	IPS	316
PHILIPS SA	B	IPS	432
PHILIPS SA	B	IPS	1158
PHILIPS SA	B	IPS	2537
PHILIPS SCIENTIFIC	UK	IPS	1570
PHILIPS SCIENTIFIC	UK	OBS	2431
PHILIPS-LEP	F	BR	3180
PHILIPS-LEP	F	BR	3350
PHILIPS-LEP	F	IPS	2059
PHILIPS-LEP	F	MEL	2035
PHILIPS-LEP	F	OBS	2102
PHILIPS-LEP	F	OBS	2105
PHILIPS-TRT	F	IPS	1535
PICOGIGA	F	MEL	2035
PILKINGTON PLC	UK	OBS	2114
PILKINGTON PLC	UK	OBS	2114
PLANET SA	GR	CIM	2090
PLANET SA	GR	IPS	2177
PLANET SA	GR	OBS	2294
PLASMA TECHNOLOGY LTD	UK	MEL	971
PLASMA TECHNOLOGY LTD	UK	MEL	1563
PLESSEY COMPANY PLC	UK	BR	3017
PLESSEY COMPANY PLC	UK	BR	3180
PLESSEY COMPANY PLC	UK	BR	3350
PLESSEY COMPANY PLC	UK	IPS	96
PLESSEY COMPANY PLC	UK	IPS	266

PLESSEY COMPANY PLC	UK	IPS	2502
PLESSEY COMPANY PLC	UK	MEL	10
PLESSEY COMPANY PLC	UK	MEL	14
PLESSEY COMPANY PLC	UK	MEL	232
PLESSEY COMPANY PLC	UK	MEL	243
PLESSEY COMPANY PLC	UK	MEL	843
PLESSEY COMPANY PLC	UK	MEL	971
PLESSEY COMPANY PLC	UK	MEL	1270
PLESSEY COMPANY PLC	UK	MEL	2016
PLESSEY COMPANY PLC	UK	MEL	2035
PLESSEY COMPANY PLC	UK	MEL	2039
PLESSEY COMPANY PLC	UK	MEL	2197
PLESSEY COMPANY PLC	UK	MEL	2265
PLESSEY COMPANY PLC	UK	MEL	2268
PLESSEY COMPANY PLC	UK	MEL	2270
PLESSEY COMPANY PLC	UK	MEL	2289
PLESSEY COMPANY PLC	UK	OBS	43
PLESSEY COMPANY PLC	UK	OBS	237
PLESSEY COMPANY PLC	UK	OBS	1059
PLESSEY RESEARCH ROKE MANOR LTD	UK	IPS	267
PLESSEY RESEARCH ROKE MANOR LTD	UK	OBS	43
PLESSEY RESEARCH ROKE MANOR LTD	UK	OBS	295
PLESSEY SEMICONDUCTORS	UK	MEL	1043
POLYDATA LTD	GR	CIM	975
POLYDATA LTD	GR	CIM	2198
PORSCHE AG, DR. ING. H.C.F.	D	CIM	2486
PRAXIS SYSTEMS PLC	UK	IPS	1283
PRAXIS SYSTEMS PLC	UK	MEL	2260
PRISMA INFORMATICA SRL	I	OBS	2239
PRISMA INFORMATICA SRL	I	OBS	2476
PRISMA INFORMATICA SRL	I	OBS	2512
PROCAD GMBH	D	CIM	2195
PROCOS A/S	DK	CIM	418

PROCOS A/S	DK	CIM	688
PROCOS A/S	DK	CIM	2588
PRODATA	B	OBS	367
PROJECT MANAGEMENT CONSULTANTS	DK	OBS	2563
PROLOGIA	F	IPS	1106
PROSS SA	E	CIM	2198
PROTEXARMS	F	OBS	998
PSA	F	CIM	955
PSA	F	CIM	2349
PSI GMBH	D	CIM	623
PSI GMBH	D	CIM	2202
PTT NEDERLAND NV	NL	IPS	2304
PTT NEDERLAND NV	NL	IPS	2589
PTT NEDERLAND NV	NL	OBS	563
PTT NEDERLAND NV	NL	OBS	1057
PTT NEDERLAND NV	NL	OBS	2054
PTT NEDERLAND NV	NL	OBS	2684
PUTZMEISTER-WERKE, MASCHINENFABRIK GMBH	D	CIM	2280
R.N.U.R.	F	CIM	477
RACAL RESEARCH LTD	UK	MEL	2260
RAUMA-REPOLA	SF	CIM	2483
RC COMPUTER	DK	IES	718
RC COMPUTER	DK	OBS	2563
RD PROJECTS LTD	UK	CIM	2415
REALACE LTD	IRL	IPS	2397
REALACE LTD	IRL	IPS	2537
REALACE LTD	IRL	OBS	2382
REDAR NAH-ORTUNGSTECHNIK GMBH	D	CIM	975
RENAULT AUTOMATION	F	CIM	338
RENAULT AUTOMATION	F	CIM	623
RENAULT AUTOMATION	F	CIM	2617
RENAULT AUTOMATION	F	IPS	2252
RESEAUX COMMUNICATION ENTREPRISE	F	OBS	43

RIADA & CO	IRL	IPS	1558
ROBERT BOSCH GMBH	D	CIM	278
ROBERT BOSCH GMBH	D	CIM	2043
ROBERT BOSCH GMBH	D	CIM	2656
ROBERT BOSCH GMBH	D	CIM	2658
ROBERT BOSCH GMBH	D	IPS	1106
ROBERT BOSCH GMBH	D	MEL	2360
ROBERT BOSCH GMBH	D	MEL	2426
ROLLS ROYCE PLC	UK	CIM	1199
RTC COMPELEC	F	CIM	1653
RTC COMPELEC	F	CIM	2428
RTC RADIOTECHNIQUE COMPELECTR.	F	MEL	281
RTE GMBH	D	CIM	2292
RTE GMBH	D	CIM	2617
RTM	I	CIM	418
RUTHERFORD APPLETON LABORATORY	UK	BR	3014
RYTRAK LTD	UK	MEL	2283
SAGANTEC BV	NL	IPS	881
SAGEM	F	CIM	1136
SAGEM	F	CIM	2483
SAGEM	F	IPS	1133
SAGEM	F	IPS	2443
SAGEM	F	MEL	334
SAGEM	F	MEL	2013
SAIT ELECTRONICS SA	B	OBS	2058
SARIN SPA	I	IPS	1015
SARIN SPA	I	IPS	2218
SARIN SPA	I	OBS	367
SARIN SPA	I	OBS	2109
SAT-SOCIETE ANONYME TELECOMMUNICATIONS	F	OBS	925
SCAITECH A/S	DK	OBS	878
SCAITECH A/S	DK	OBS	2144
SCAITECH A/S	DK	OBS	2322

SCANRAY A/S	DK	IPS	898
SCANTEST SYSTEM A/S	DK	MEL	2318
SCHIFFKO SCHIFFSKONSTRUKTION UND -ENTWICKLUNG	D	CIM	2010
SCICON LTD	UK	IPS	107
SCICON LTD	UK	IPS	304
SCICON LTD	UK	IPS	1098
SCS SCIENTIFIC CONTROL SYSTEMS	D	IPS	107
SCS SCIENTIFIC CONTROL SYSTEMS	D	IPS	304
SCS SCIENTIFIC CONTROL SYSTEMS	D	IPS	892
SCS SCIENTIFIC CONTROL SYSTEMS	D	IPS	1098
SEIAF SPA	I	CIM	688
SELECO SPA	I	MEL	2283
SELECO SPA	I	MEL	2360
SELECO SPA	I	OBS	2431
SELENIA SPA	I	IPS	866
SELENIA SPA	I	IPS	867
SELENIA SPA	I	OBS	2463
SEMA METRA	F	CIM	2172
SEMA METRA	F	IPS	282
SEMA METRA	F	IPS	348
SEMA METRA	F	IPS	2177
SEMA METRA	F	IPS	2252
SEMA METRA	F	IPS	2537
SEMA METRA	F	IPS	2565
SEMA METRA	F	OBS	813
SEMA-GROUP/BELGIUM	B	CIM	2172
SEMA-GROUP/BELGIUM	B	OBS	367
SENERMAR - SENER, SISTEMAS MARINOS SA	E	CIM	2010
SEP	F	OBS	901
SEPA SPA	I	CIM	2483
SERVICE ETUDES COMMUNICATIONS POSTES TEL	F	OBS	1024
SERVICE ETUDES COMMUNICATIONS POSTES TEL	F	OBS	2071
SERVICE ETUDES COMMUNICATIONS POSTES TEL	F	OBS	2267

SERVICIOS DE GESTION TECNOLOGICA	E	OBS	2512
SERVOTROL	P	CIM	2192
SES SOFTWARE ENGINEERING SERVICES GMBH	D	IPS	1258
SES SOFTWARE ENGINEERING SERVICES GMBH	D	IPS	2384
SESA-SOCIETE ETUDES SYSTEMS AUTOMATIONS	F	CIM	812
SESA-SOCIETE ETUDES SYSTEMS AUTOMATIONS	F	IPS	1015
SESA-SOCIETE ETUDES SYSTEMS AUTOMATIONS	F	IPS	2570
SESA-SOCIETE ETUDES SYSTEMS AUTOMATIONS	F	OBS	43
SESA-SOCIETE ETUDES SYSTEMS AUTOMATIONS	F	OBS	64
SESAM	I	CIM	2527
SESAM	I	CIM	2617
SFGL-SOCIETE FRANCAISE DE GENIE LOGICIEL	F	IPS	1261
SFGL-SOCIETE FRANCAISE DE GENIE LOGICIEL	F	IPS	1262
SFGL-SOCIETE FRANCAISE DE GENIE LOGICIEL	F	IPS	2565
SGN GRAPHAEAL	F	CIM	932
SGS-THOMSON MICROELECTRONICS SA	F	IPS	2059
SGS-THOMSON MICROELECTRONICS SA	F	MEL	244
SGS-THOMSON MICROELECTRONICS SA	F	MEL	245
SGS-THOMSON MICROELECTRONICS SA	F	MEL	456
SGS-THOMSON MICROELECTRONICS SA	F	MEL	824
SGS-THOMSON MICROELECTRONICS SA	F	MEL	888
SGS-THOMSON MICROELECTRONICS SA	F	MEL	1551
SGS-THOMSON MICROELECTRONICS SA	F	MEL	2016
SGS-THOMSON MICROELECTRONICS SA	F	MEL	2039
SGS-THOMSON MICROELECTRONICS SA	F	MEL	2072
SGS-THOMSON MICROELECTRONICS SA	F	MEL	2197
SGS-THOMSON MICROELECTRONICS SA	F	MEL	2268
SGS-THOMSON MICROELECTRONICS SA	F	MEL	2270
SGS-THOMSON MICROELECTRONICS SA	F	MEL	2319
SGS-THOMSON MICROELECTRONICS SA	F	MEL	2394
SGS-THOMSON MICROELECTRONICS SA	F	MEL	2478
SGS-THOMSON MICROELECTRONICS SPA	I	MEL	509
SGS-THOMSON MICROELECTRONICS SPA	I	MEL	554

SGS-THOMSON MICROELECTRONICS SPA	I	MEL	802
SGS-THOMSON MICROELECTRONICS SPA	I	MEL	887
SGS-THOMSON MICROELECTRONICS SPA	I	MEL	962
SGS-THOMSON MICROELECTRONICS SPA	I	MEL	1007
SGS-THOMSON MICROELECTRONICS SPA	I	MEL	1551
SGS-THOMSON MICROELECTRONICS SPA	I	MEL	2072
SGS-THOMSON MICROELECTRONICS SPA	I	MEL	2197
SGS-THOMSON MICROELECTRONICS SPA	I	MEL	2272
SGS-THOMSON MICROELECTRONICS SPA	I	OBS	956
SGS-THOMSON MICROELECTRONICS SPA	I	OBS	2105
SIEMENS AG	D	BR	3249
SIEMENS AG	D	BR	3279
SIEMENS AG	D	CIM	118
SIEMENS AG	D	CIM	688
SIEMENS AG	D	CIM	955
SIEMENS AG	D	CIM	2017
SIEMENS AG	D	CIM	2195
SIEMENS AG	D	CIM	2292
SIEMENS AG	D	CIM	2617
SIEMENS AG	D	CIM	2658
SIEMENS AG	D	IES	33
SIEMENS AG	D	IES	719
SIEMENS AG	D	IPS	32
SIEMENS AG	D	IPS	112
SIEMENS AG	D	IPS	125
SIEMENS AG	D	IPS	282
SIEMENS AG	D	IPS	283
SIEMENS AG	D	IPS	951
SIEMENS AG	D	IPS	1072
SIEMENS AG	D	IPS	1532
SIEMENS AG	D	IPS	2025
SIEMENS AG	D	IPS	2080
SIEMENS AG	D	IPS	2092

SIEMENS AG	D	IPS	2218
SIEMENS AG	D	IPS	2447
SIEMENS AG	D	IPS	2565
SIEMENS AG	D	MEL	97
SIEMENS AG	D	MEL	232
SIEMENS AG	D	MEL	255
SIEMENS AG	D	MEL	281
SIEMENS AG	D	MEL	412
SIEMENS AG	D	MEL	843
SIEMENS AG	D	MEL	887
SIEMENS AG	D	MEL	888
SIEMENS AG	D	MEL	1043
SIEMENS AG	D	MEL	1056
SIEMENS AG	D	MEL	2016
SIEMENS AG	D	MEL	2048
SIEMENS AG	D	MEL	2048
SIEMENS AG	D	MEL	2072
SIEMENS AG	D	MEL	2075
SIEMENS AG	D	MEL	2260
SIEMENS AG	D	MEL	2265
SIEMENS AG	D	MEL	2270
SIEMENS AG	D	MEL	2289
SIEMENS AG	D	MEL	2318
SIEMENS AG	D	MEL	2394
SIEMENS AG	D	MEL	2430
SIEMENS AG	D	MEL	2478
SIEMENS AG	D	OBS	121
SIEMENS AG	D	OBS	385
SIEMENS AG	D	OBS	1024
SIEMENS AG	D	OBS	2071
SIEMENS AG	D	OBS	2267
SIEMENS AG	D	OBS	2315
SIEMENS AG	D	OBS	2374

SIEMENS AG	D	OBS	2431
SIEMENS AG	D	OBS	2569
SIEMENS DATA SA	B	IES	700
SIEMENS SA	E	OBS	2315
SIG SERVICES LTD	NL	OBS	2221
SILICON & SOFTWARE SYSTEMS	IRL	CIM	2017
SILICON & SOFTWARE SYSTEMS	IRL	MEL	2426
SILICON & SOFTWARE SYSTEMS	IRL	MEL	2478
SILVAR-LISCO NV	B	MEL	97
SILVAR-LISCO NV	B	MEL	1058
SIMULOG	F	IPS	1133
SIMULOG	F	IPS	2143
SIMULOG	F	IPS	2447
SIMULOG	F	MEL	957
SINCON SPA	I	CIM	118
SINCON SPA	I	CIM	2658
SIPA SPA	I	CIM	2637
SIPE OPTIMATION SPA	I	OBS	2111
SIRTI SPA	I	OBS	2100
SIRTI SPA	I	OBS	2512
SIS AV	I	CIM	932
SIS AV	I	CIM	2434
SISMET-SISTEMAS E METODOS ORGANIZACAO E INFORMATICA	P	OBS	2512
SISTEMAS MODULARES DISTRIBUIDOS SA	P	OBS	2170
SISTEMI E TELEMATICA PORTO DI GENOVA SPA	I	OBS	2512
SISU	S	IPS	2424
SITESA ADDAX	F	MEL	2319
SMITHS INDUSTRIES AEROSPACE & DEFENCE SYSTEMS	UK	IPS	2589
SNIA BPD - FIAT GROUP	I	CIM	2032
SNIAS - SOC. NAT. IND. AEROSPATIALE	F	IPS	820
SOCIEDAD ESPANOLA DE LAMPARAS ELECTRICAS 'Z'	E	CIM	2428
SOCIETE D'ETUDES & REALISATIONS ELECTRONIQUES	F	OBS	2512
SOCIETE GENERALE DE TECHNIQUES ET D'ETUDES	F	CIM	1062

SOFEMASA	E	IPS	282
SOFEMASA	E	IPS	1527
SOFT INTERNATIONAL BV	NL	IPS	1074
SOFT INTERNATIONAL BV	NL	IPS	2163
SOFTLAB GMBH	D	IPS	1261
SOFTWARE SCIENCES LTD	UK	IPS	1277
SOFTWARE SCIENCES LTD	UK	IPS	2528
SOFTWARE SCIENCES LTD	UK	IPS	2565
SOFTWARE SCIENCES LTD	UK	IPS	2570
SOFTWARE SISTEMI SPA	I	CIM	2617
SOFTWARE SISTEMI SPA	I	IPS	2104
SOFTWARE SISTEMI SPA	I	OBS	1024
SOFTWARE SISTEMI SPA	I	OBS	2103
SOGEI - SOCIETA GENERALE D'INFORMATICA	I	OBS	831
SOGITEC	F	OBS	2638
SOLVAY SA	B	IPS	2620
SOPHIA TEC	F	OBS	2109
SOREN T.LYNGSOE A/S	DK	IPS	96
SOREN T.LYNGSOE A/S	DK	IPS	1074
SOREN T.LYNGSOE A/S	DK	IPS	2163
SOURIAU & CIE	F	MEL	2075
SOUTH SCOTLAND ELECTRICITY BOARD	UK	IPS	2397
SPAG SERVICES SA	B	CIM	2292
SPECIAL ANALYSIS AND SIMULATION TECHNOLOGY LTD	UK	CIM	2090
SPERONI SPA	I	CIM	2091
STA ELETTRONICA AUTOMAZIONE	I	OBS	925
STAF-CONSEIL DE FILIERE STAF	F	OBS	2221
STANDARD ELEKTRIK LORENZ AG	D	BR	3066
STANDARD ELEKTRIK LORENZ AG	D	BR	3228
STANDARD ELEKTRIK LORENZ AG	D	CIM	2127
STANDARD ELEKTRIK LORENZ AG	D	IPS	2059
STANDARD ELEKTRIK LORENZ AG	D	MEL	263
STANDARD ELEKTRIK LORENZ AG	D	OBS	2054

STANDARD ELEKTRIK LORENZ AG	D	OBS	2114
STANDARD ELEKTRIK LORENZ AG	D	OBS	2382
STANDARD ELEKTRIK LORENZ AG	D	OBS	2455
STC PLC	UK	OBS	2054
STC TECHNOLOGY LTD	UK	IPS	282
STC TECHNOLOGY LTD	UK	IPS	302
STC TECHNOLOGY LTD	UK	IPS	315
STC TECHNOLOGY LTD	UK	IPS	410
STC TECHNOLOGY LTD	UK	IPS	891
STC TECHNOLOGY LTD	UK	IPS	2143
STC TECHNOLOGY LTD	UK	MEL	263
STC TECHNOLOGY LTD	UK	MEL	522
STC TECHNOLOGY LTD	UK	MEL	843
STC TECHNOLOGY LTD	UK	MEL	962
STC TECHNOLOGY LTD	UK	MEL	2035
STC TECHNOLOGY LTD	UK	MEL	2289
STC TECHNOLOGY LTD	UK	MEL	2319
STC TECHNOLOGY LTD	UK	MEL	2437
STC TECHNOLOGY LTD	UK	OBS	56
STC TECHNOLOGY LTD	UK	OBS	1030
STC TECHNOLOGY LTD	UK	OBS	1057
STC TECHNOLOGY LTD	UK	OBS	2146
STC TECHNOLOGY LTD	UK	OBS	2267
STERIA	F	CIM	2434
STEWART HUGHES LTD	UK	CIM	504
STEWART HUGHES LTD	UK	CIM	2349
STEWART HUGHES LTD	UK	IPS	2255
STM-SGS-THOMSON MICROELECTRONICS SRL	I	MEL	2403
STOLLMANN & CO GMBH	D	IPS	2080
STOLLMANN & CO GMBH	D	IPS	2427
STOLLMANN & CO GMBH	D	IPS	2447
STOLLMANN & CO GMBH	D	OBS	73
STOLLMANN & CO GMBH	D	OBS	2512

STRACO	F	CIM	2486
STRATEGIC INTERNATIONAL LTD	GR	OBS	2170
STZ GESELLSCHAFT FUER SOFTWARE-TECHNOLOGIE MBH	D	IPS	2443
SUPRENUM GMBH	D	IPS	2447
SWEDISH INSTITUTE OF COMPUTER SCIENCE (SICS)	S	BR	3230
SWEDISH INSTITUTE OF COMPUTER SCIENCE (SICS)	S	IPS	2025
SWEDISH INSTITUTE OF COMPUTER SCIENCE (SICS)	S	IPS	2471
SWIFT SC	B	IPS	2409
SYBASE LTD	UK	IPS	2469
SYD-SYNERGIE INFORMATIQUE & DEVELOPPEMENT	F	OBS	237
SYD-SYNERGIE INFORMATIQUE & DEVELOPPEMENT	F	OBS	2512
SYNERGIA SPA	I	OBS	2512
SYNTAX FACTORY AUTOMATION	I	CIM	2331
SYSECA LOGICIEL	F	CIM	1556
SYSECA LOGICIEL	F	CIM	2527
SYSECA LOGICIEL	F	IPS	283
SYSECA LOGICIEL	F	IPS	390
SYSECA LOGICIEL	F	IPS	835
SYSECA LOGICIEL	F	IPS	951
SYSECA LOGICIEL	F	IPS	1005
SYSECA LOGICIEL	F	IPS	1282
SYSECA LOGICIEL	F	IPS	2304
SYSECA LOGICIEL	F	IPS	2409
SYSECA LOGICIEL	F	IPS	2447
SYSECA LOGICIEL	F	IPS	2528
SYSECA LOGICIEL	F	OBS	2649
SYSTEM KG	D	IPS	390
SYSTEM KG	D	IPS	937
SYSTEM SOFTWARE FACTORS LTD	UK	IPS	2528
SYSTEMS AND MANAGEMENT SPA	I	IPS	530
SYSTEMS AND MANAGEMENT SPA	I	IPS	951
SYSTEMS AND MANAGEMENT SPA	I	IPS	2025
SYSTEMS AND MANAGEMENT SPA	I	OBS	813

SYSTEMS WIZARDS SRL	I	IES	719
SYSTEMS WIZARDS SRL	I	OBS	395
SYSTEMS WIZARDS SRL	I	OBS	2404
TA TRIUMPH-ADLER AG	D	IPS	393
TA TRIUMPH-ADLER AG	D	IPS	2104
TA TRIUMPH-ADLER AG	D	OBS	28
TA TRIUMPH-ADLER AG	D	OBS	855
TA TRIUMPH-ADLER AG	D	OBS	2105
TA TRIUMPH-ADLER AG	D	OBS	2315
TAMPELLE LTD TAMROCK	SF	CIM	2483
TAO-TECNICS EN AUTOMATIZACIO D'OFICINES SA	E	OBS	2121
TAP AIR PORTUGAL	P	OBS	2111
TCE - THOMSON COMPONENT ELECTRONICS	F	MEL	2268
TDS DEXTRALOG LTD	UK	CIM	809
TEAM SRL	I	CIM	1556
TECHFORCE BV	NL	IPS	2686
TECNATOM SA	E	IPS	2167
TECNATOM SA	E	OBS	2322
TECNICAS REUNIDAS SA	E	CIM	2434
TECNICAS REUNIDAS SA	E	OBS	2322
TECNO T&G	E	OBS	2512
TECNOMATIX EUROPE NV	B	CIM	2637
TECOGRAF SOFTWARE SRL	I	OBS	2466
TECSIEL SPA	I	IPS	96
TECSIEL SPA	I	IPS	125
TECSIEL SPA	I	IPS	401
TECSIEL SPA	I	IPS	2304
TECSIEL SPA	I	IPS	2397
TECSIEL SPA	I	OBS	2463
TEICE CONTROL SA	E	IPS	2537
TEKNECOMP SPA	I	CIM	2331
TELE LOGIC AB	S	IPS	2565
TELEFONICA DE ESPANA S.A	E	OBS	2512

TELEFONICA INVESTIGACION Y DESARROLLO	E	IPS	1252
TELEFONICA INVESTIGACION Y DESARROLLO	E	IPS	2094
TELEFONICA INVESTIGACION Y DESARROLLO	E	IPS	2576
TELEFONICA INVESTIGACION Y DESARROLLO	E	MEL	2318
TELEFONICA INVESTIGACION Y DESARROLLO	E	OBS	925
TELEFONICA INVESTIGACION Y DESARROLLO	E	OBS	1057
TELEFONICA INVESTIGACION Y DESARROLLO	E	OBS	2684
TELEFONICA SISTEMAS SA	E	IPS	2025
TELEFONICA SISTEMAS SA	E	IPS	2686
TELEFONICA SISTEMAS SA	E	OBS	2563
TELEFUNKEN ELECTRONIC GMBH	D	MEL	14
TELEFUNKEN ELECTRONIC GMBH	D	MEL	243
TELEFUNKEN ELECTRONIC GMBH	D	MEL	456
TELEFUNKEN ELECTRONIC GMBH	D	MEL	522
TELEFUNKEN ELECTRONIC GMBH	D	MEL	2016
TELEFUNKEN ELECTRONIC GMBH	D	MEL	2268
TELEMECANIQUE	F	CIM	384
TELEMECANIQUE	F	CIM	2637
TELESYSTEMES	F	OBS	2105
TELESYSTEMES	F	OBS	2109
TELETTRA ESPANOLA SA	E	OBS	2054
TELETTRA SPA	I	IPS	818
TELETTRA SPA	I	IPS	874
TELETTRA SPA	I	MEL	255
TELETTRA SPA	I	MEL	380
TELETTRA SPA	I	MEL	554
TELETTRA SPA	I	MEL	986
TELEVAS	I	OBS	2512
TELMAT INFORMATIQUE	F	IPS	1085
TELMAT INFORMATIQUE	F	IPS	2528
TESEO SPA	I	OBS	2170
TEXTWARE A/S	DK	OBS	2499
THE EAST ASIATIC COMPANY LTD	DK	IPS	1074

THE EAST ASIATIC COMPANY LTD	DK	IPS	2163
THE EAST ASIATIC COMPANY LTD	DK	OBS	56
THE ENGLISH ELECTRIC COMPANY LIMITED	UK	IPS	898
THE ENGLISH ELECTRIC COMPANY LIMITED	UK	IPS	2255
THE PIRAEUS GRADUATE SCHOOL	GR	OBS	385
THOMSLAGERWALL SARL	F	MEL	2360
THOMSON CETIA	F	CIM	2198
THOMSON CETIA	F	MEL	491
THOMSON GRAND PUBLIC	F	OBS	2431
THOMSON INFORMATIQUE SERVICES	F	IPS	2255
THOMSON INFORMATIQUE SERVICES	F	OBS	813
THOMSON INFORMATIQUE SERVICES	F	OBS	2649
THOMSON SINTRA-ASM	F	MEL	2072
THOMSON SINTRA-ASM	F	MEL	2478
THOMSON-CSF	F	BR	3133
THOMSON-CSF	F	IPS	967
THOMSON-CSF	F	IPS	1035
THOMSON-CSF	F	IPS	1035
THOMSON-CSF	F	IPS	1588
THOMSON-CSF	F	IPS	2143
THOMSON-CSF	F	IPS	2288
THOMSON-CSF	F	MEL	243
THOMSON-CSF	F	MEL	263
THOMSON-CSF	F	MEL	443
THOMSON-CSF	F	MEL	514
THOMSON-CSF	F	MEL	830
THOMSON-CSF	F	MEL	833
THOMSON-CSF	F	MEL	957
THOMSON-CSF	F	MEL	1007
THOMSON-CSF	F	MEL	2035
THOMSON-CSF	F	MEL	2072
THOMSON-CSF	F	MEL	2281
THOMSON-CSF	F	MEL	2283

THOMSON-CSF	F	MEL	2284
THOMSON-CSF	F	MEL	2289
THOMSON-CSF	F	MEL	2360
THOMSON-CSF	F	MEL	2478
THOMSON-CSF	F	OBS	612
THOMSON-CSF-CIMSA-SINTRA	F	IPS	2143
THOMSON-CSF-CIMSA-SINTRA	F	IPS	2427
THOMSON-CSF-CIMSA-SINTRA	F	OBS	2463
THOMSON-CSF-DCI	F	CIM	1572
THOMSON-CSF-DCI	F	MEL	232
THOMSON-CSF-DCI	F	MEL	843
THOMSON-CSF-DCI	F	MEL	2270
THOMSON-CSF-DCI	F	OBS	2103
THOMSON-CSF-DSE	F	IPS	300
THOMSON-CSF-DSE	F	IPS	1271
THOMSON-CSF-DSE	F	IPS	2059
THOMSON-CSF-DTE-DIVISION TUBES ELECTRONIQUES	F	MEL	14
THOMSON-CSF-DTE-DIVISION TUBES ELECTRONIQUES	F	MEL	243
THOMSON-CSF-DTE-DIVISION TUBES ELECTRONIQUES	F	OBS	2114
THOMSON-CSF-FINANCE	F	OBS	2476
THOMSON-CSF-LABORATOIRE ELECTRONIQUE DE RENNES	F	IPS	26
THOMSON-CSF-LABORATOIRE ELECTRONIQUE DE RENNES	F	IPS	867
THOMSON-CSF-LABORATOIRE ELECTRONIQUE DE RENNES	F	IPS	2152
THOMSON-CSF-LABORATOIRE ELECTRONIQUE DE RENNES	F	IPS	2316
THOMSON-CSF-LABORATOIRE ELECTRONIQUE DE RENNES	F	IPS	2592
THOMSON-CSF-LABORATOIRE ELECTRONIQUE DE RENNES	F	OBS	2102
THORN EMI LTD	UK	IPS	1085
THORN EMI LTD	UK	IPS	1588
THORN EMI LTD	UK	IPS	2528

THORN EMI LTD	UK	MEL	2360
THORN EMI LTD	UK	OBS	2431
THORN EMI LTD	UK	OBS	2455
TITN	F	CIM	932
TITN	F	CIM	2292
TITN	F	CIM	2292
TITN	F	CIM	2292
TITN	F	CIM	2338
TITN	F	CIM	2434
TITN	F	CIM	2617
TITN	F	CIM	2671
TITN	F	OBS	43
TITN	F	OBS	121
TITN	F	OBS	169
TITN	F	OBS	1024
TITN	F	OBS	2001
TITN	F	OBS	2100
TITN	F	OBS	2374
TM TECHNICS DIEREN BV	NL	CIM	975
TN TELENORMA	D	CIM	2198
TN TELENORMA	D	OBS	1059
TN TELENORMA	D	OBS	2102
TN TELENORMA	D	OBS	2146
TNC	UK	CIM	2292
TNC	UK	CIM	2292
TNC	UK	CIM	2292
TNC	UK	CIM	2292
TRADEMCO LTD	GR	OBS	2111
TRION PRAEZISIONSELEKTRONIK GMBH & CO KG	D	CIM	2192
TRITECH	IRL	CIM	2486
TRT-TELECOMMUNICATIONS RADIOELEC. & TELEPH.	F	OBS	1057
TUEV (TECHNISCHER UEBERWACHUNGS-VEREIN E.V.)	D	IPS	1257
TUEV (TECHNISCHER UEBERWACHUNGS-VEREIN E.V.)	D	OBS	2649

TXT-TECH.SOFT E TELEMATICA	I	IPS	432
TXT-TECH.SOFT E TELEMATICA	I	IPS	1550
TXT-TECH.SOFT E TELEMATICA	I	IPS	2443
UCB ELECTRONICS SA	B	MEL	2265
UITESA	E	OBS	2322
UK ATOMIC ENERGY AUTHORITY	UK	IPS	300
UK ATOMIC ENERGY AUTHORITY	UK	IPS	1527
UNIBANQUE	F	OBS	2476
UNIBANQUE - CREDIT AGRICOLE	F	IPS	2252
UNISOFT	P	CIM	2192
UTI-SERVICES	F	CIM	2189
VALVO UNTERNEHMENSBEREICH	D	CIM	1572
VALVO UNTERNEHMENSBEREICH	D	IPS	2592
VALVO UNTERNEHMENSBEREICH	D	MEL	1043
VECTOR FIELDS LTD	UK	CIM	1062
VEGLA VEREINIGTE GLASWERKE GMBH	D	CIM	2277
VERILOG	F	IPS	938
VERILOG	F	IPS	1527
VERILOG	F	IPS	2151
VERILOG	F	IPS	2384
VIDEO DISPLAY SYSTEMS SRL	I	IPS	419
VISITEC	B	CIM	1136
VOICE SYSTEMS INTERNATIONAL	UK	OBS	449
VOLKSWAGEN AG	D	CIM	409
VOLKSWAGEN AG	D	CIM	688
VOLMAC	NL	CIM	2043
VOLMAC	NL	IPS	2046
VOLMAC	NL	IPS	2256
WACKER CHEMITRONIC	D	MEL	927
WACKER CHEMITRONIC	D	MEL	1128
WAERTSILAE MARINE INDUSTRY	SF	CIM	2439
WESTLAND PLC	UK	CIM	534
WILHELM KARMANN GMBH	D	CIM	2277

WORK RESEARCH CENTRE LTD	IRL	IPS	2301
WORK RESEARCH CENTRE LTD	IRL	IPS	2397
WORK RESEARCH CENTRE LTD	IRL	OBS	1030
WORK RESEARCH CENTRE LTD	IRL	OBS	2144
X2283	F	MEL	2283
XXX	X	MEL	2318
XXX	IRL	OBS	2001
XXX	X	OBS	2374
XXX	X	OBS	2563
YARD SOFTWARE SYSTEMS LTD	UK	IPS	974
ZELTRON	I	CIM	2637
ZELTRON	I	IPS	532
ZELTRON	I	OBS	2431
ZENON LTD	GR	CIM	2017
ZENON LTD	GR	CIM	2640
ZENON LTD	GR	CIM	2658

LIST OF PARTICIPATING ORGANISATIONS: UNIVERSITIES AND RESEARCH ESTABLISHMENTS

			Proj. No.
	Area		
3IT	F	OBS	2100
AALBORG UNIVERSITET	DK	BR	3038
AALBORG UNIVERSITET	DK	BR	3352
AARHUS UNIVERSITET	DK	BR	3003
AARHUS UNIVERSITET	DK	BR	3011
AARHUS UNIVERSITET	DK	BR	3075
AARHUS UNIVERSITET	DK	BR	3104
AARHUS UNIVERSITET	DK	MEL	554
ADERSA	F	CIM	504
ADERSA	F	CIM	2349
ADR-CRISS	F	IPS	530
ADR-CRISS	F	IPS	2474
AEG-AKTIENGESELLSCHAFT, BERLIN UND FRANKFURT AM MAIN	D	BR	3174
AEG-AKTIENGESELLSCHAFT, BERLIN UND FRANKFURT AM MAIN	D	IPS	26
AERE-ATOMIC ENERGY RESEARCH	UK	MEL	369
AERE-ATOMIC ENERGY RESEARCH	UK	MEL	554
AERE-ATOMIC ENERGY RESEARCH	UK	MEL	574
AKZO INTERNATIONAL RESEARCH BV	NL	MEL	2289
ALSTHOM	F	CIM	2010
ALSTHOM	F	CIM	2439
AMTRI-ADVANCED MANUFACTURING TECHNOLOGY INSTITUTE	UK	CIM	504
AMTRI-ADVANCED MANUFACTURING TECHNOLOGY INSTITUTE	UK	CIM	909
AMTRI-ADVANCED MANUFACTURING TECHNOLOGY INSTITUTE	UK	CIM	2349
ARISTOTLE UNIVERSITY OF THESSALONIKI	GR	MEL	833

ARMINES	F	OBS	2001
ASOCIACION DE LA INDUSTRIA NAVARRA	E	CIM	2178
ATHENS SCHOOL OF ECONOMICS	GR	CIM	1062
BAMBERG UNIVERSITAET	D	BR	3105
BATTELLE INSTITUT	D	CIM	504
BATTELLE INSTITUT	D	IPS	865
BATTELLE INSTITUT	D	OBS	28
BAZIS	NL	OBS	2221
BIBA	D	CIM	909
BIBA	D	CIM	2010
BIBA	D	CIM	2277
BIBA	D	CIM	2439
BIBA-BREMEN INSTITUTE FOR INDUSTRIAL TECHNOLOGIES	D	BR	3143
BIFOA	D	OBS	998
BRIGHTON POLYTECHNIC	UK	IPS	2565
BRISTOL POLYTECHNIC	UK	BR	3152
BRITISH MARITIME TECHNOLOGY CORTEC LTD	UK	CIM	2439
BRITISH MARITIME TECHNOLOGY CORTEC LTD	UK	CIM	2671
BRITISH MARITIME TECHNOLOGY CORTEC LTD	UK	OBS	449
BRUNEL UNIVERSITY	UK	BR	3352
BRUNEL UNIVERSITY	UK	IPS	1094
BRUNEL UNIVERSITY	UK	IPS	2255
BRUNEL UNIVERSITY	UK	MEL	244
BRUNEL UNIVERSITY	UK	MEL	2318
BRUNEL UNIVERSITY	UK	OBS	2569
CCETT	F	OBS	563
CEA-COMMISSARIAT A L'ENERGIE ATOMIQUE	F	CIM	932
CEA-COMMISSARIAT A L'ENERGIE ATOMIQUE	F	CIM	2434
CEA-COMMISSARIAT A L'ENERGIE ATOMIQUE	F	IPS	1609
CEA-COMMISSARIAT A L'ENERGIE ATOMIQUE	F	MEL	2048
CEA-COMMISSARIAT A L'ENERGIE ATOMIQUE	F	MEL	2284
CEA-COMMISSARIAT A L'ENERGIE ATOMIQUE	F	OBS	64
CEA-LETI	F	CIM	1136

CEA-LETI	F	CIM	2483
CEA-LETI	F	IPS	2059
CEA-LETI	F	IPS	2592
CEA-LETI	F	MEL	244
CEA-LETI	F	MEL	245
CEA-LETI	F	MEL	824
CEA-LETI	F	MEL	957
CEA-LETI	F	MEL	2013
CEA-LETI	F	MEL	2265
CEA-LETI	F	MEL	2319
CEA-LETI	F	MEL	2403
CEA-LETI	F	MEL	2437
CEA-UGRA	F	CIM	2637
CEC-JRC ISPRA ESTABLISHMENT	I	BR	3105
CEC-JRC ISPRA ESTABLISHMENT	I	IPS	2256
CEC-JRC ISPRA ESTABLISHMENT	I	OBS	2466
CEMOTA	F	MEL	243
CENA	F	IPS	2409
CENTER FOR INDUSTRIAL RESEARCH	N	CIM	2195
CENTRE D'ESTUDIS AVANCATS DE BLANES	E	BR	3234
CENTRE D'ESTUDIS AVANCATS DE BLANES	E	CIM	1653
CENTRE D'ESTUDIS AVANCATS DE BLANES	E	CIM	2428
CENTRE D'ESTUDIS AVANCATS DE BLANES	E	IPS	2148
CENTRE D'ETUDES DU MANAGEMENT	F	OBS	285
CENTRE DE MATHÉMATIQUES DE L'ÉCOLE POLYTECHNIQUE	F	BR	3001
CENTRE REGIONAL INNOV./TRANSF. DE TECHNOLOGIES ELECTR./OPTIQUE	F	OBS	2431
CENTRE SCIENTIFIQUE ET TECHNIQUE DE LA CONSTRUCTION	B	CIM	2189
CENTRO DI CULTURA SCIENTIFICA - A. VOLTA	I	OBS	2109
CENTRO NACIONAL DE MICROELECTRONICA -CNM	E	BR	3133
CENTRO NACIONAL DE MICROELECTRONICA -CNM	E	MEL	2193
CENTRO NACIONAL DE MICROELECTRONICA -CNM	E	MEL	2272

CENTRO NACIONAL DE MICROELECTRONICA -CNM	E	MEL	2289
CENTRO NACIONAL DE MICROELECTRONICA -CNM	E	MEL	2437
CERN	CH	IES	719
CERN	CH	IPS	2256
CERT-CENTRE D'ETUDES ET DE RECHERCHES DE TOULOUSE	F	BR	3199
CETE MEDITERANNEE	F	IPS	938
CETIM-ETABLISSEMENT DE SENLIS	F	CIM	1652
CETIM-ETABLISSEMENT DE SENLIS	F	CIM	2590
CETIM-ETABLISSEMENT DE SENLIS	F	CIM	2623
CETIM-ETABLISSEMENT DE SENLIS	F	IPS	2092
CHALMERS UNIVERSITY OF TECHNOLOGY	S	BR	3245
CISE SPA	I	IPS	256
CISE SPA	I	IPS	820
CISE SPA	I	IPS	2409
CISE SPA	I	IPS	2615
CISE SPA	I	MEL	255
CITY UNIVERSITY	UK	BR	3092
CITY UNIVERSITY	UK	BR	3160
CITY UNIVERSITY	UK	BR	3352
CITY UNIVERSITY	UK	CIM	2090
CITY UNIVERSITY	UK	IPS	1258
CITY UNIVERSITY	UK	IPS	2151
CITY UNIVERSITY	UK	OBS	2638
CNAM-CONSERVATOIRE NATIONAL DES ARTS ET METIERS	F	IPS	1271
CNET	F	BR	3017
CNET	F	BR	3043
CNET	F	BR	3186
CNET	F	BR	3199
CNET	F	BR	3350
CNET	F	IPS	974
CNET	F	IPS	1015
CNET	F	IPS	2218

CNET	F	MEL	245
CNET	F	MEL	263
CNET	F	MEL	271
CNET	F	MEL	443
CNET	F	MEL	491
CNET	F	MEL	522
CNET	F	MEL	554
CNET	F	MEL	802
CNET	F	MEL	833
CNET	F	MEL	971
CNET	F	MEL	1270
CNET	F	MEL	2193
CNET	F	MEL	2197
CNET	F	MEL	2270
CNET	F	MEL	2284
CNET	F	MEL	2437
CNET	F	OBS	1057
CNET	F	OBS	1541
CNET	F	OBS	2102
CNET	F	OBS	2684
CNR - CNUCE	I	IPS	2304
CNR-CENTRO DI STUDIO PER LE RICERCHE DI FONETICA	I	BR	3279
CNR-CENTRO DI STUDIO PER LE RICERCHE DI FONETICA	I	IPS	2589
CNR-CONSIGLIO NAZIONALE DELLE RICERCHE	I	BR	3026
CNR-CONSIGLIO NAZIONALE DELLE RICERCHE	I	BR	3149
CNR-CONSIGLIO NAZIONALE DELLE RICERCHE	I	BR	3191
CNR-CONSIGLIO NAZIONALE DELLE RICERCHE	I	BR	3191
CNR-CONSIGLIO NAZIONALE DELLE RICERCHE	I	OBS	2111
CNR-IEI	I	BR	3070
CNR-IEI	I	BR	3092
CNR-IEI	I	IPS	818
CNR-IEI	I	IPS	2252
CNR-IEI	I	IPS	2304

CNR-IEI	I	OBS	28
CNR-IEI	I	OBS	813
CNR-IEI	I	OBS	834
CNR-IESS	I	MEL	1007
CNR-IROE	I	CIM	197
CNR-ISTITUTO DI LINGUISTICA COMPUTAZIONALE	I	BR	3030
CNR-ISTITUTO DI LINGUISTICA COMPUTAZIONALE	I	BR	3160
CNR-ISTITUTO LAMEL	I	MEL	554
CNR-ISTITUTO LAMEL	I	MEL	2197
CNRS	F	BR	3149
CNRS	F	BR	3279
CNRS	F	IPS	1015
CNRS	F	MEL	1007
CNRS	F	MEL	2281
CNRS	F	OBS	1051
CNRS	F	OBS	2466
CNRS - (LPSES)	F	BR	3168
CNRS - UA 14	F	BR	3186
CNRS ADMINISTRATION DELEGUEE	F	BR	3026
CNRS MULHOUSE	F	MEL	2633
CNRS-CRPHT	F	BR	3327
CNRS-ENS	F	BR	3003
CNRS-ENS	F	BR	3020
CNRS-ENS	F	BR	3074
CNRS-INSTITUT D'ELECTRONIQUE FONDAMENTALE	F	BR	3042
CNRS-INSTITUT D'ELECTRONIQUE FONDAMENTALE	F	BR	3199
CNRS-INSTITUT DES NEUROSCIENCES	F	BR	3149
CNRS-L2M	F	BR	3042
CNRS-L2M	F	BR	3043
CNRS-L2M	F	BR	3199
CNRS-LAAS	F	BR	3092
CNRS-LAAS	F	BR	3199
CNRS-LAAS	F	BR	3352

CNRS-LAAS	F	CIM	1653
CNRS-LAAS	F	CIM	2428
CNRS-LAAS	F	IPS	410
CNRS-LAAS	F	IPS	818
CNRS-LAAS	F	IPS	1560
CNRS-LAAS	F	IPS	2252
CNRS-LAAS	F	IPS	2304
CNRS-LAAS	F	MEL	2319
CNRS-LABORATOIRE AUTOMATIQUE DOCUMENTAIRE ET LINGUISTIQUE	F	OBS	2121
CNRS-LABORATOIRE PMTM	F	BR	3041
CNRS-LIMSI	F	IPS	2104
CNRS-LIMSI	F	OBS	291
CNRS-SNCI	F	BR	3168
CNRS-UA 2	F	BR	3121
CNRS-UA18	F	BR	3186
CNRS-URA 752	F	BR	3230
COMMUNICATION AND MANAGEMENT SYSTEMS UNIT	GR	CIM	2331
COMPUTER TECHNOLOGY INSTITUTE	GR	BR	3075
COMPUTER TECHNOLOGY INSTITUTE	GR	IPS	1588
COMPUTER TECHNOLOGY INSTITUTE	GR	IPS	2025
COMPUTER TECHNOLOGY INSTITUTE	GR	IPS	2059
COMPUTER TECHNOLOGY INSTITUTE	GR	OBS	2267
COMPUTER TECHNOLOGY INSTITUTE	GR	OBS	2476
COSI-CONSORZIO PER L'OSI IN ITALIA	I	OBS	2054
COSI-CONSORZIO PER L'OSI IN ITALIA	I	OBS	2463
COVENTRY POLYTECHNIC	UK	MEL	2013
CPR-CONSORZIO PISA RICERCHE	I	IPS	2304
CRANFIELD INSTITUTE OF TECHNOLOGY	UK	CIM	322
CRANFIELD INSTITUTE OF TECHNOLOGY	UK	CIM	338
CRANFIELD INSTITUTE OF TECHNOLOGY	UK	IPS	2565
CRETAN COMPUTER INSTITUTE	GR	IPS	107
CRETAN COMPUTER INSTITUTE	GR	OBS	28

CRICAI-CONSORZIO CAMPANO DI RICERCA PER L'INFORMATICA E L'AUTOMAZIONE INDUSTRIALE	I	OBS	831
CRIF/WTCM	B	CIM	909
CRIF/WTCM	B	CIM	1652
CRIF/WTCM	B	CIM	2483
CRIF/WTCM	B	CIM	2623
CRIF/WTCM	B	CIM	2637
CRIN/ADILOR	F	BR	3264
CRIN/ADILOR	F	IPS	1520
CRIN/ADILOR	F	IPS	2167
CRIN/ADILOR	F	IPS	2589
CRIN/ADILOR	F	OBS	121
CRIN/ADILOR	F	OBS	901
CSELT-CENTRO STUDI E LABORATORI TELECOMUNICAZIONI	I	IPS	26
CSELT-CENTRO STUDI E LABORATORI TELECOMUNICAZIONI	I	IPS	96
CSELT-CENTRO STUDI E LABORATORI TELECOMUNICAZIONI	I	IPS	283
CSELT-CENTRO STUDI E LABORATORI TELECOMUNICAZIONI	I	IPS	316
CSELT-CENTRO STUDI E LABORATORI TELECOMUNICAZIONI	I	IPS	415
CSELT-CENTRO STUDI E LABORATORI TELECOMUNICAZIONI	I	IPS	967
CSELT-CENTRO STUDI E LABORATORI TELECOMUNICAZIONI	I	IPS	2059
CSELT-CENTRO STUDI E LABORATORI TELECOMUNICAZIONI	I	IPS	2101
CSELT-CENTRO STUDI E LABORATORI TELECOMUNICAZIONI	I	IPS	2218
CSELT-CENTRO STUDI E LABORATORI TELECOMUNICAZIONI	I	IPS	2589
CSELT-CENTRO STUDI E LABORATORI TELECOMUNICAZIONI	I	MEL	263
CSELT-CENTRO STUDI E LABORATORI TELECOMUNICAZIONI	I	MEL	271

CSELT-CENTRO STUDI E LABORATORI TELECOMUNICAZIONI	I	MEL	802
CSELT-CENTRO STUDI E LABORATORI TELECOMUNICAZIONI	I	OBS	43
CSELT-CENTRO STUDI E LABORATORI TELECOMUNICAZIONI	I	OBS	64
CSELT-CENTRO STUDI E LABORATORI TELECOMUNICAZIONI	I	OBS	169
CSELT-CENTRO STUDI E LABORATORI TELECOMUNICAZIONI	I	OBS	367
CSELT-CENTRO STUDI E LABORATORI TELECOMUNICAZIONI	I	OBS	563
CSELT-CENTRO STUDI E LABORATORI TELECOMUNICAZIONI	I	OBS	1057
CSELT-CENTRO STUDI E LABORATORI TELECOMUNICAZIONI	I	OBS	1541
CSELT-CENTRO STUDI E LABORATORI TELECOMUNICAZIONI	I	OBS	2100
CSELT-CENTRO STUDI E LABORATORI TELECOMUNICAZIONI	I	OBS	2102
CSELT-CENTRO STUDI E LABORATORI TELECOMUNICAZIONI	I	OBS	2512
CSELT-CENTRO STUDI E LABORATORI TELECOMUNICAZIONI	I	OBS	2684
CSEM-CENTRE SUISSE D'ELECTRONIQUE ET MICROTECHNIQUE SA	CH	BR	3049
CWI-CENTRUM VOOR WISKUNDE & INFORMATICA	NL	BR	3006
CWI-CENTRUM VOOR WISKUNDE & INFORMATICA	NL	BR	3020
CWI-CENTRUM VOOR WISKUNDE & INFORMATICA	NL	BR	3074
CWI-CENTRUM VOOR WISKUNDE & INFORMATICA	NL	IPS	348
CWI-CENTRUM VOOR WISKUNDE & INFORMATICA	NL	IPS	432
CWI-CENTRUM VOOR WISKUNDE & INFORMATICA	NL	IPS	1072
CWI-CENTRUM VOOR WISKUNDE & INFORMATICA	NL	IPS	1283
CWI-CENTRUM VOOR WISKUNDE & INFORMATICA	NL	IPS	2177
CWI-CENTRUM VOOR WISKUNDE & INFORMATICA	NL	IPS	2427
CWI-CENTRUM VOOR WISKUNDE & INFORMATICA	NL	IPS	2565
DANISH MARITIME INSTITUTE	DK	IPS	1074

DANISH MARITIME INSTITUTE	DK	IPS	2163
DANMARKS TEKNISKE HOJSKOLE	DK	BR	3104
DANMARKS TEKNISKE HOJSKOLE	DK	BR	3143
DANMARKS TEKNISKE HOJSKOLE	DK	BR	3281
DANMARKS TEKNISKE HOJSKOLE	DK	CIM	322
DANMARKS TEKNISKE HOJSKOLE	DK	CIM	909
DANMARKS TEKNISKE HOJSKOLE	DK	CIM	1199
DANMARKS TEKNISKE HOJSKOLE	DK	CIM	2280
DANMARKS TEKNISKE HOJSKOLE	DK	CIM	2597
DANMARKS TEKNISKE HOJSKOLE	DK	IPS	2163
DANMARKS TEKNISKE HOJSKOLE	DK	IPS	2255
DANMARKS TEKNISKE HOJSKOLE	DK	MEL	2318
DATENZENTRALE SCHLESWIGHOLSTEIN	D	OBS	831
DELFT HYDRAULICS	NL	IPS	2487
DEMOCRITUS UNIVERSITY OF THRACE	GR	CIM	2198
DIRECTION DES MUSEES DE FRANCE	F	OBS	2649
DOERNER INSTITUTE / BAYERISCHE STAATSGEMAEDELDESAMMLUNGEN	D	OBS	2649
ECOLE CENTRALE DE LYON	F	CIM	2590
ECOLE CENTRALE DE LYON-LEAME	F	BR	3086
ECOLE DES MINES DE SAINT-ETIENNE	F	IPS	2474
ECOLE NATIONALE SUPERIEURE D'ELECTRONIQUE	F	MEL	2075
ECOLE NORMALE SUPERIEURE	F	IPS	2059
ECOLE NORMALE SUPERIEURE DE LYON	F	BR	3166
ECOLE POLYTECHNIQUE	F	BR	3124
ECOLE POLYTECHNIQUE	F	BR	3324
ECOLE POLYTECHNIQUE	F	BR	3351
ECOLE POLYTECHNIQUE FEDERALE DE LAUSANNE	CH	BR	3049
ECOLE POLYTECHNIQUE FEDERALE DE LAUSANNE EPF-L	CH	BR	3249
ECOLE POLYTECHNIQUE FEDERALE, LAUSANNE	CH	IPS	2409
EDUCATION TECHNOLOGY INSTITUT	UK	IPS	1613
EHESS-CAMS	F	BR	3075
EIDGENOESSICHE TECHNISCHE HOCHSCHULE - ZENTRUM	CH	BR	3230

ELAB	N	IPS	2589
ELEKTRONIK CENTRALEN	DK	IPS	300
ELEKTRONIK CENTRALEN	DK	IPS	2151
ELEKTRONIK CENTRALEN	DK	MEL	2016
ELEKTRONIK CENTRALEN	DK	MEL	2272
ELEKTRONIK CENTRALEN	DK	MEL	2318
ELEKTRONIK CENTRALEN	DK	MEL	2478
EMPIRICA	D	OBS	1030
EMPIRICA	D	OBS	2382
ENEA	I	OBS	2322
ENSEEIH	F	CIM	2198
ENST-ECOLE NORM SUPERIEURE DES TELECOMMUNICATIONS	F	BR	3237
ENST-ECOLE NORM SUPERIEURE DES TELECOMMUNICATIONS	F	IPS	2101
ENST-ECOLE NORM SUPERIEURE DES TELECOMMUNICATIONS	F	OBS	2649
ENSTA-ECOLE POLYTECHNIQUE	F	BR	3042
ENTWICKLUNGSZENTRUM FUER MIKROELEKTRONIK GMBH	A	MEL	2430
ESIEE-ECOLE SUP D'INGENIEURS ELECTR./ ELECTROTECH	F	IPS	867
ETS INGENIEROS TELECOMUNICACION-UPM	E	IES	718
ETS INGENIEROS TELECOMUNICACION-UPM	E	MEL	2360
EUROPEAN COMPUTER INDUSTRY RESEARCH CENTRE GMBH	D	BR	3012
EUROPEAN COMPUTER INDUSTRY RESEARCH CENTRE GMBH	D	IPS	2025
FACULTES UNIVERSITAIRES NOTRE-DAME DE LA PAIX	B	IPS	2537
FACULTES UNIVERSITAIRES NOTRE-DAME DE LA PAIX	B	MEL	443
FACULTES UNIVERSITAIRES NOTRE-DAME DE LA PAIX	B	MEL	2284
FERNUNIVERSITAET - GH - HAGEN	D	IPS	2443
FERNUNIVERSITAET GEHAMTHOOGSCHULE IN HAGEN	D	BR	3191
FONDAZIONE UGO BORDONI	I	IPS	2589
FORSCHUNGSZENTRUM INFORMATIK AN DER UNIVERSITAET KARLSRUHE	D	CIM	2434

FORSCHUNGSZENTRUM INFORMATIK AN DER UNIVERSITAET KARLSRUHE	D	OBS	2121
FORTH RESEARCH CENTER OF CRETE	GR	BR	3086
FORTH RESEARCH CENTER OF CRETE	GR	MEL	2035
FORTH RESEARCH CENTER OF CRETE	GR	MEL	2289
FOUNDATION FOR RESEARCH AND TECHNOLOGY - HELLAS	GR	BR	3096
FOUNDATION FOR RESEARCH AND TECHNOLOGY - HELLAS	GR	IPS	2154
FOUNDATION FOR RESEARCH AND TECHNOLOGY - HELLAS	GR	OBS	2121
FRAUNHOFER ARBEITSGRUPPE FUER GRAPHISCHE DATENVERARBEITUNG	D	OBS	2463
FRAUNHOFER ARBEITSGRUPPE FUER GRAPHISCHE DATENVERARBEITUNG	D	OBS	2569
FRAUNHOFER GESELLSCHAFT	D	IPS	2143
FRAUNHOFER GESELLSCHAFT	D	MEL	2197
FRAUNHOFER IM	D	MEL	574
FRAUNHOFER IM	D	MEL	2197
FRAUNHOFER IM	D	OBS	834
FRAUNHOFER IMSS	D	MEL	2268
FRAUNHOFER INSTITUT FUER ARBEITSWIRTSCHAFT UND ORGANISATION	D	IPS	107
FRAUNHOFER INSTITUT FUER ARBEITSWIRTSCHAFT UND ORGANISATION	D	OBS	385
FRAUNHOFER INSTITUT FUER ARBEITSWIRTSCHAFT UND ORGANISATION	D	OBS	954
FRAUNHOFER INSTITUT FUER INFORMATIONS UND DATENVERARBEITUNG	D	BR	3249
FRAUNHOFER INSTITUT FUER INFORMATIONS UND DATENVERARBEITUNG	D	CIM	955
FRAUNHOFER INSTITUT FUER INFORMATIONS UND DATENVERARBEITUNG	D	CIM	1556
FRAUNHOFER INSTITUT FUER INFORMATIONS UND DATENVERARBEITUNG	D	CIM	2091
FRAUNHOFER INSTITUT FUER INFORMATIONS UND DATENVERARBEITUNG	D	CIM	2292

FRAUNHOFER INSTITUT FUER INFORMATIONEN UND DATENVERARBEITUNG	D	CIM	2292
FRAUNHOFER INSTITUT FUER INFORMATIONEN UND DATENVERARBEITUNG	D	CIM	2292
FRAUNHOFER INSTITUT FUER INFORMATIONEN UND DATENVERARBEITUNG	D	CIM	2617
FRAUNHOFER INSTITUT FUER INFORMATIONEN UND DATENVERARBEITUNG	D	IPS	818
FRAUNHOFER INSTITUT FUER INFORMATIONEN UND DATENVERARBEITUNG	D	IPS	2152
FRAUNHOFER INSTITUT FUER INFORMATIONEN UND DATENVERARBEITUNG	D	IPS	2252
FRAUNHOFER INSTITUT FUER INFORMATIONEN UND DATENVERARBEITUNG	D	IPS	2255
FRAUNHOFER INSTITUT FUER INFORMATIONEN UND DATENVERARBEITUNG	D	IPS	2255
FRAUNHOFER INSTITUT FUER INFORMATIONEN UND DATENVERARBEITUNG	D	IPS	2255
FRAUNHOFER INSTITUT FUER PRODUKTIONSANLAGEN UND KONSTRUKTIONSTECHNIK	D	CIM	293
FRAUNHOFER INSTITUT FUER PRODUKTIONSANLAGEN UND KONSTRUKTIONSTECHNIK	D	CIM	384
FRAUNHOFER INSTITUT FUER PRODUKTIONSANLAGEN UND KONSTRUKTIONSTECHNIK	D	CIM	623
FRAUNHOFER INSTITUT FUER PRODUKTIONSANLAGEN UND KONSTRUKTIONSTECHNIK	D	CIM	2202
FRAUNHOFER INSTITUT FUER PRODUKTIONSANLAGEN UND KONSTRUKTIONSTECHNIK	D	CIM	2280
FRAUNHOFER INSTITUT FUER PRODUKTIONSANLAGEN UND KONSTRUKTIONSTECHNIK	D	CIM	2640
FRAUNHOFER INSTITUT FUER PRODUKTIONSANLAGEN UND KONSTRUKTIONSTECHNIK	D	CIM	2671
FRAUNHOFER IPA	D	CIM	932
FRAUNHOFER IPA	D	CIM	2280
FRAUNHOFER IPA	D	CIM	2434
FRAUNHOFER IPA	D	CIM	2658
FRAUNHOFER IPA	D	IPS	2094
FRAUNHOFER IPA	D	MEL	2048

FRAUNHOFER IPA	D	OBS	2082
FRAUNHOFER IPA	D	OBS	2315
FRAUNHOFER ITW	D	OBS	2071
FRAUNHOFER ITW	D	OBS	2382
FRAUNHOFER-INSTITUT FUER INFORMATIONSDATENVERARBEITUNG	D	BR	3352
FREIBURG UNIVERSITAET	D	BR	3191
FREIE UNIVERSITAET BERLIN	D	BR	3075
FREIE UNIVERSITAET BERLIN	D	BR	3299
FZI KARLSRUHE	D	CIM	932
G4S RICERCA SPA	I	OBS	2103
GIA-UNIVERSITE D'AIX-MARSEILLE II	F	BR	3085
GIA-UNIVERSITE D'AIX-MARSEILLE II	F	IPS	1106
GIP ALTAIR	F	BR	3070
GLASGOW COLLEGE	UK	IPS	2151
GMD-GESELLSCHAFT FUER MATHEMATIK UND DATENVERARBEITUNG MBH	D	BR	3003
GMD-GESELLSCHAFT FUER MATHEMATIK UND DATENVERARBEITUNG MBH	D	BR	3147
GMD-GESELLSCHAFT FUER MATHEMATIK UND DATENVERARBEITUNG MBH	D	BR	3148
GMD-GESELLSCHAFT FUER MATHEMATIK UND DATENVERARBEITUNG MBH	D	BR	3178
GMD-GESELLSCHAFT FUER MATHEMATIK UND DATENVERARBEITUNG MBH	D	IPS	125
GMD-GESELLSCHAFT FUER MATHEMATIK UND DATENVERARBEITUNG MBH	D	IPS	510
GMD-GESELLSCHAFT FUER MATHEMATIK UND DATENVERARBEITUNG MBH	D	IPS	818
GMD-GESELLSCHAFT FUER MATHEMATIK UND DATENVERARBEITUNG MBH	D	IPS	2080
GMD-GESELLSCHAFT FUER MATHEMATIK UND DATENVERARBEITUNG MBH	D	IPS	2151
GMD-GESELLSCHAFT FUER MATHEMATIK UND DATENVERARBEITUNG MBH	D	IPS	2154
GMD-GESELLSCHAFT FUER MATHEMATIK UND DATENVERARBEITUNG MBH	D	IPS	2304

GMD-GESELLSCHAFT FUER MATHEMATIK UND DATENVERARBEITUNG MBH	D	IPS	2384
GMD-GESELLSCHAFT FUER MATHEMATIK UND DATENVERARBEITUNG MBH	D	IPS	2447
GMD-GESELLSCHAFT FUER MATHEMATIK UND DATENVERARBEITUNG MBH	D	IPS	2565
GMD-GESELLSCHAFT FUER MATHEMATIK UND DATENVERARBEITUNG MBH	D	IPS	2565
GMD-GESELLSCHAFT FUER MATHEMATIK UND DATENVERARBEITUNG MBH	D	MEL	802
GMD-GESELLSCHAFT FUER MATHEMATIK UND DATENVERARBEITUNG MBH	D	OBS	56
GMD-GESELLSCHAFT FUER MATHEMATIK UND DATENVERARBEITUNG MBH	D	OBS	2105
GMD-GESELLSCHAFT FUER MATHEMATIK UND DATENVERARBEITUNG MBH	D	OBS	2463
GRAIL-CENTRE OF ADVANCED STUDIES OF BLANES	E	BR	3085
H.E.R.I.E.	F	MEL	2318
HANDELSSHOJSKOLEN I KOBENHAVN (COPENHAGEN BUSINESS SCHOOL)	DK	OBS	2144
HARWELL LABORATORY	UK	BR	3109
HATFIELD POLYTECHNIC	UK	IPS	266
HC OERSTED INSTITUTE	DK	BR	3121
HEINRICH HERTZ INSTITUT	D	MEL	263
HELSINKI UNIVERSITY OF TECHNOLOGY	SF	BR	3143
HELSINKI UNIVERSITY OF TECHNOLOGY	SF	CIM	2277
HELSINKI UNIVERSITY OF TECHNOLOGY	SF	CIM	2439
HELSINKI UNIVERSITY OF TECHNOLOGY	SF	CIM	2483
HERIOT-WATT UNIVERSITY	UK	BR	3199
HERIOT-WATT UNIVERSITY	UK	BR	3249
HERIOT-WATT UNIVERSITY	UK	IPS	820
HERIOT-WATT UNIVERSITY	UK	IPS	2615
HERIOT-WATT UNIVERSITY	UK	OBS	2455
HUSAT RESEARCH CENTRE	UK	IPS	2301
HUSAT RESEARCH CENTRE	UK	OBS	385
IABG MBH	D	OBS	878

IAI-INSTITUTO AUTOMATICA INDUSTRIAL	E	CIM	2043
IDSIA-FONDAZIONE DALLE MOLLE	CH	BR	3351
IIRIAM-INSTITUT INTERNATIONAL DE ROBOTIQUE ET D'INTELLIGENCE ARTIFICIELLE	F	OBS	2221
IIRIAM-INSTITUT INTERNATIONAL DE ROBOTIQUE ET D'INTELLIGENCE ARTIFICIELLE	F	OBS	2466
IKERLAN	E	CIM	504
IKERLAN	E	CIM	2349
IKERLAN	E	OBS	2431
IMAG - UNIVERSITE DE GRENOBLE	F	BR	3096
IMAG-LGI-LABORATOIRE GENIE INFORMATIQUE	F	CIM	1556
IMAG-LGI-LABORATOIRE GENIE INFORMATIQUE	F	IPS	818
IMAG-LGI-LABORATOIRE GENIE INFORMATIQUE	F	IPS	1085
IMAG-LGI-LABORATOIRE GENIE INFORMATIQUE	F	MEL	244
IMAG-LGI-LABORATOIRE GENIE INFORMATIQUE	F	MEL	271
IMAG-LGI-LABORATOIRE GENIE INFORMATIQUE	F	OBS	834
IMAG-LGI-LABORATOIRE GENIE INFORMATIQUE	F	OBS	2071
IMEC VZW	B	BR	3017
IMEC VZW	B	BR	3042
IMEC VZW	B	BR	3109
IMEC VZW	B	BR	3133
IMEC VZW	B	BR	3180
IMEC VZW	B	BR	3199
IMEC VZW	B	BR	3215
IMEC VZW	B	BR	3216
IMEC VZW	B	BR	3247
IMEC VZW	B	BR	3280
IMEC VZW	B	BR	3281
IMEC VZW	B	BR	3350
IMEC VZW	B	MEL	97
IMEC VZW	B	MEL	369
IMEC VZW	B	MEL	370
IMEC VZW	B	MEL	509
IMEC VZW	B	MEL	519

IMEC VZW	B	MEL	554
IMEC VZW	B	MEL	962
IMEC VZW	B	MEL	1043
IMEC VZW	B	MEL	1056
IMEC VZW	B	MEL	1058
IMEC VZW	B	MEL	2016
IMEC VZW	B	MEL	2016
IMEC VZW	B	MEL	2016
IMEC VZW	B	MEL	2039
IMEC VZW	B	MEL	2197
IMEC VZW	B	MEL	2260
IMEC VZW	B	MEL	2265
IMEC VZW	B	MEL	2283
IMEC VZW	B	MEL	2289
IMEC VZW	B	MEL	2318
IMEC VZW	B	MEL	2426
IMEC VZW	B	OBS	1051
IMPERIAL CANCER RESEARCH FUND-LONDON	UK	BR	3085
IMS INSTITUT FUER MIKROELEKTRONIK STUTTGART	D	BR	3049
IMS INSTITUT FUER MIKROELEKTRONIK STUTTGART	D	BR	3324
INESC-INSTITUTO DE ENGENHARIA DE SISTEMAS E COMPUTADORES	P	BR	3023
INESC-INSTITUTO DE ENGENHARIA DE SISTEMAS E COMPUTADORES	P	IPS	818
INESC-INSTITUTO DE ENGENHARIA DE SISTEMAS E COMPUTADORES	P	IPS	1542
INESC-INSTITUTO DE ENGENHARIA DE SISTEMAS E COMPUTADORES	P	IPS	1588
INESC-INSTITUTO DE ENGENHARIA DE SISTEMAS E COMPUTADORES	P	IPS	2025
INESC-INSTITUTO DE ENGENHARIA DE SISTEMAS E COMPUTADORES	P	IPS	2059
INESC-INSTITUTO DE ENGENHARIA DE SISTEMAS E COMPUTADORES	P	IPS	2094
INESC-INSTITUTO DE ENGENHARIA DE SISTEMAS E COMPUTADORES	P	IPS	2252

INESC-INSTITUTO DE ENGENHARIA DE SISTEMAS E COMPUTADORES	P	IPS	2565
INESC-INSTITUTO DE ENGENHARIA DE SISTEMAS E COMPUTADORES	P	MEL	991
INESC-INSTITUTO DE ENGENHARIA DE SISTEMAS E COMPUTADORES	P	MEL	1058
INESC-INSTITUTO DE ENGENHARIA DE SISTEMAS E COMPUTADORES	P	MEL	2072
INESC-INSTITUTO DE ENGENHARIA DE SISTEMAS E COMPUTADORES	P	MEL	2260
INESC-INSTITUTO DE ENGENHARIA DE SISTEMAS E COMPUTADORES	P	MEL	2318
INESC-INSTITUTO DE ENGENHARIA DE SISTEMAS E COMPUTADORES	P	MEL	2394
INESC-INSTITUTO DE ENGENHARIA DE SISTEMAS E COMPUTADORES	P	MEL	2430
INESC-INSTITUTO DE ENGENHARIA DE SISTEMAS E COMPUTADORES	P	MEL	2478
INESC-INSTITUTO DE ENGENHARIA DE SISTEMAS E COMPUTADORES	P	OBS	367
INESC-INSTITUTO DE ENGENHARIA DE SISTEMAS E COMPUTADORES	P	OBS	834
INESC-INSTITUTO DE ENGENHARIA DE SISTEMAS E COMPUTADORES	P	OBS	2054
INESC-INSTITUTO DE ENGENHARIA DE SISTEMAS E COMPUTADORES	P	OBS	2071
INESC-INSTITUTO DE ENGENHARIA DE SISTEMAS E COMPUTADORES	P	OBS	2146
INESC-INSTITUTO DE ENGENHARIA DE SISTEMAS E COMPUTADORES	P	OBS	2170
INESC-INSTITUTO DE ENGENHARIA DE SISTEMAS E COMPUTADORES	P	OBS	2476
INESC-INSTITUTO DE ENGENHARIA DE SISTEMAS E COMPUTADORES	P	OBS	2512
INESC-INSTITUTO DE ENGENHARIA DE SISTEMAS E COMPUTADORES	P	OBS	2569
INESC-INSTITUTO DE ENGENHARIA E SISTEMAS E COMPUTADORES	P	BR	3207

INFM-CONSORZIO INTERUNIVERSITARIO NAZIONALE DI FISICA DELLA MATERIA	I	BR	3186
INFM-CONSORZIO INTERUNIVERSITARIO NAZIONALE DI FISICA DELLA MATERIA	I	BR	3260
INFRATEST INDUSTRIA	D	OBS	2431
INIC-INSTITUTO NACIONAL DE INVESTIGACAO CIENTIFICA	P	BR	3166
INPG-INSTITUT NATIONAL POLYTECHNIQUE DE GRENOBLE	F	BR	3017
INPG-INSTITUT NATIONAL POLYTECHNIQUE DE GRENOBLE	F	BR	3038
INPG-INSTITUT NATIONAL POLYTECHNIQUE DE GRENOBLE	F	BR	3125
INPG-INSTITUT NATIONAL POLYTECHNIQUE DE GRENOBLE	F	BR	3207
INPG-INSTITUT NATIONAL POLYTECHNIQUE DE GRENOBLE	F	BR	3274
INPG-INSTITUT NATIONAL POLYTECHNIQUE DE GRENOBLE	F	BR	3280
INPG-INSTITUT NATIONAL POLYTECHNIQUE DE GRENOBLE	F	BR	3281
INPG-INSTITUT NATIONAL POLYTECHNIQUE DE GRENOBLE	F	BR	3352
INPG-INSTITUT NATIONAL POLYTECHNIQUE DE GRENOBLE	F	IPS	2528
INPG-INSTITUT NATIONAL POLYTECHNIQUE DE GRENOBLE	F	MEL	244
INPG-INSTITUT NATIONAL POLYTECHNIQUE DE GRENOBLE	F	MEL	824
INPG-INSTITUT NATIONAL POLYTECHNIQUE DE GRENOBLE	F	MEL	2072
INPG-INSTITUT NATIONAL POLYTECHNIQUE DE GRENOBLE	F	OBS	2105
INRIA	F	BR	3001
INRIA	F	BR	3003
INRIA	F	BR	3006
INRIA	F	BR	3011
INRIA	F	BR	3075
INRIA	F	BR	3075

INRIA	F	BR	3191
INRIA	F	BR	3245
INRIA	F	BR	3245
INRIA	F	BR	3280
INRIA	F	CIM	2637
INRIA	F	IES	719
INRIA	F	IPS	302
INRIA	F	IPS	348
INRIA	F	IPS	940
INRIA	F	IPS	1117
INRIA	F	IPS	1133
INRIA	F	IPS	2059
INRIA	F	IPS	2143
INRIA	F	IPS	2154
INRIA	F	IPS	2177
INRIA	F	IPS	2304
INRIA	F	IPS	2443
INRIA	F	IPS	2474
INRIA	F	IPS	2502
INRIA	F	IPS	2537
INRIA	F	OBS	82
INRIA	F	OBS	367
INRIA	F	OBS	956
INRIA	F	OBS	2105
INRIA	F	OBS	2121
INRIA	F	OBS	2463
INRIA	F	OBS	2569
INSA	F	IPS	530
INSA-INSTITUT NATIONAL DES SCIENCES APPLIQUEES	F	BR	3086
INSTITUT D'OPTIQUE THEORIQUE ET APPLIQUEE	F	BR	3199
INSTITUT DE RECHERCHE DE CONSTRUCTION NAVALE	F	CIM	2010
INSTITUT FUER DEUTSCHE SPRACHE	D	BR	3351
INSTITUT FUER INFORMATIK DER UNIVERSITAET BONN	D	BR	3219

INSTITUT JOZEF STEFAN	Y	BR	3059
INSTITUT MEDITERRANEEN DE TECHNOLOGIE	F	MEL	2072
INSTITUT NATIONAL POLYTECHNIQUE DE LORRAINE	F	MEL	2633
INSTITUT NATIONAL POLYTECHNIQUE GRENOBLE	F	BR	3038
INSTITUT NATIONAL POLYTECHNIQUE GRENOBLE	F	BR	3049
INSTITUT NATIONAL POLYTECHNIQUE GRENOBLE	F	BR	3352
INSTITUTE OF COMPUTER SCIENCE	GR	IPS	892
INSTITUTE OF COMPUTER SCIENCE	GR	OBS	82
INSTITUTO SUPERIOR TECNICO	P	BR	3121
INSTITUTO SUPERIOR TECNICO	P	CIM	293
INSTITUTO SUPERIOR TECNICO	P	CIM	2172
INSTITUTO SUPERIOR TECNICO	P	CIM	2192
INSTITUTO SUPERIOR TECNICO	P	IPS	2163
INSTITUTO SUPERIOR TECNICO	P	MEL	2193
IRIAC	F	BR	3228
IRIAC	F	IPS	2059
IRISA-RENNES	F	BR	3085
IRISA-RENNES	F	IPS	2218
ISI-INSTITUTE FOR SCIENTIFIC INTERCHANGE	I	BR	3014
ISTITUTO NAZIONALE DI OTTICA	I	BR	3199
JOHANN WOLFGANG GOETHE-UNIVERSITAET	D	BR	3070
JOHANN WOLFGANG GOETHE-UNIVERSITAET	D	BR	3199
KATHOLIEKE UNIVERSITEIT LEUVEN	B	BR	3001
KATHOLIEKE UNIVERSITEIT LEUVEN	B	BR	3001
KATHOLIEKE UNIVERSITEIT LEUVEN	B	BR	3012
KATHOLIEKE UNIVERSITEIT LEUVEN	B	BR	3274
KATHOLIEKE UNIVERSITEIT LEUVEN	B	BR	3280
KATHOLIEKE UNIVERSITEIT LEUVEN	B	CIM	322
KATHOLIEKE UNIVERSITEIT LEUVEN	B	CIM	1561
KATHOLIEKE UNIVERSITEIT LEUVEN	B	CIM	2457
KATHOLIEKE UNIVERSITEIT LEUVEN	B	CIM	2486
KATHOLIEKE UNIVERSITEIT LEUVEN	B	IPS	857
KATHOLIEKE UNIVERSITEIT LEUVEN	B	IPS	2397

KATHOLIEKE UNIVERSITEIT LEUVEN	B	IPS	2471
KATHOLIEKE UNIVERSITEIT LEUVEN	B	OBS	853
KATHOLIEKE UNIVERSITEIT LEUVEN	B	OBS	2103
KATHOLIEKE UNIVERSITEIT NIJMEGEN	NL	BR	3096
KATHOLIEKE UNIVERSITEIT NIJMEGEN	NL	BR	3264
KATHOLIEKE UNIVERSITEIT NIJMEGEN	NL	BR	3351
KATHOLIEKE UNIVERSITEIT NIJMEGEN	NL	BR	3351
KATHOLIEKE UNIVERSITEIT NIJMEGEN	NL	IPS	419
KATHOLIEKE UNIVERSITEIT NIJMEGEN	NL	IPS	881
KATHOLIEKE UNIVERSITEIT NIJMEGEN	NL	IPS	1570
KATHOLIEKE UNIVERSITEIT NIJMEGEN	NL	IPS	2104
KATHOLIEKE UNIVERSITEIT NIJMEGEN	NL	IPS	2427
KATHOLIEKE UNIVERSITEIT NIJMEGEN	NL	OBS	82
KATHOLIEKE UNIVERSITEIT NIJMEGEN	NL	OBS	2499
KERNFORSCHUNGSZENTRUM KARLSRUHE	D	BR	3327
KERNFORSCHUNGSZENTRUM KARLSRUHE	D	CIM	322
KERNFORSCHUNGSZENTRUM KARLSRUHE	D	CIM	2180
KERNFORSCHUNGSZENTRUM KARLSRUHE	D	CIM	2597
KING'S COLLEGE	UK	BR	3267
KING'S COLLEGE LONDON	UK	BR	3199
KING'S COLLEGE LONDON	UK	CIM	2127
KING'S COLLEGE LONDON	UK	MEL	1007
KINGSTON POLYTECHNIC	UK	BR	3267
KOBENHAVNS UNIVERSITET	DK	BR	3066
KOBENHAVNS UNIVERSITET	DK	BR	3124
KOBENHAVNS UNIVERSITET	DK	BR	3314
LABEIN	E	IPS	2256
LABEIN	E	IPS	2615
LABORATORIO NACIONAL DE ENGENHARIA E TECNOLOGIA INDUSTRIAL (LNETI)	P	CIM	2483
LADSEB-CNRP	I	CIM	623
LADSEB-CNRP	I	CIM	2202
LEIDEN UNIVERSITEIT	NL	BR	3148
LEIDEN UNIVERSITEIT	NL	BR	3166

LEIDEN UNIVERSITEIT	NL	BR	3299
LEPES-CNRS-GRENOBLE	F	BR	3247
LINGUISTICS INSTITUTE OF IRELAND	IRL	IPS	527
LINKOEPING UNIVERSITY	S	BR	3038
LINKOEPING UNIVERSITY	S	BR	3352
LITP-LABORATOIRE D'INFORMATIQUE THEORIQUE & DE PROGRAMMATION	F	BR	3166
LNETI-ICEN	P	BR	3121
LONDON INSTITUTE OF EDUCATION	UK	BR	3267
LONDON MENTAL MODELS GROUP-UNIVERSITY OF LONDON 267	UK	BR	
LOUGHBOROUGH UNIVERSITY OF TECHNOLOGY	UK	CIM	2658
LOUGHBOROUGH UNIVERSITY OF TECHNOLOGY	UK	IPS	1033
LRI - LABORATOIRE DE RECHERCHE EN INFORMATIQUE	F	BR	3085
LRI-LABORATOIRE RECHERCHE INFORMATIQUE	F	BR	3092
LSI-UNIVERSITE PAUL SABATIER TOULOUSE	F	BR	3085
LSI-UNIVERSITE PAUL SABATIER TOULOUSE	F	BR	3125
LUDWIG MAXIMILIANS UNIVERSITAET	D	BR	3279
LUDWIG-MAXIMILIANS-UNIVERSITAET	D	BR	3133
LUTCHI RESEARCH CENTRE	UK	IPS	2620
MANCHESTER POLYTECHNIC	UK	MEL	2125
MAX PLANCK INSTITUT FUER FESTKOERPERFORSCHUNG	D	BR	3200
MAX PLANCK INSTITUT FUR QUANTENOPTIK	D	BR	3186
MAX-PLANCK-GESELLSCHAFT	D	BR	3014
MAX-PLANCK-GESELLSCHAFT	D	BR	3314
MAX-PLANCK-INSTITUT FUER FESTKOERPERFORSCHUNG	F	BR	3146
MAX-PLANCK-INSTITUTE FOR PSYCHOLINGUISTICS	NL	BR	3351
MEDICAL RESEARCH COUNCIL	UK	BR	3066
MEDICAL RESEARCH COUNCIL	UK	BR	3207
MEDICAL RESEARCH COUNCIL	UK	CIM	534
MEDICAL RESEARCH COUNCIL	UK	OBS	234
MINISTRY OF DEFENSE UK	UK	IPS	2589
NATIONAL GALLERY OF LONDON	UK	OBS	2649
NATIONAL MICROELECTRONICS RESEARCH CENTRE	IRL	BR	3043

NATIONAL MICROELECTRONICS RESEARCH CENTRE	IRL	MEL	245
NATIONAL MICROELECTRONICS RESEARCH CENTRE	IRL	MEL	544
NATIONAL MICROELECTRONICS RESEARCH CENTRE	IRL	MEL	824
NATIONAL MICROELECTRONICS RESEARCH CENTRE	IRL	MEL	962
NATIONAL MICROELECTRONICS RESEARCH CENTRE	IRL	MEL	2075
NATIONAL MICROELECTRONICS RESEARCH CENTRE	IRL	MEL	2193
NATIONAL MICROELECTRONICS RESEARCH CENTRE	IRL	MEL	2197
NATIONAL MICROELECTRONICS RESEARCH CENTRE	IRL	MEL	2272
NATIONAL NONDESTRUCTIVE TESTING CENTRE	UK	CIM	2637
NATIONAL PHYSICAL LABORATORY	UK	IPS	2589
NATIONAL RESEARCH CENTER	GR	CIM	2198
NATIONAL TECHNICAL UNIVERSITY ATHENS	GR	BR	3350
NATIONAL TECHNICAL UNIVERSITY ATHENS	GR	CIM	278
NATIONAL TECHNICAL UNIVERSITY ATHENS	GR	CIM	2277
NATIONAL TECHNICAL UNIVERSITY ATHENS	GR	IPS	1074
NATIONAL TECHNICAL UNIVERSITY ATHENS	GR	IPS	2092
NATIONAL TECHNICAL UNIVERSITY ATHENS	GR	IPS	2163
NATIONAL TECHNICAL UNIVERSITY ATHENS	GR	MEL	2016
NATIONAL TECHNICAL UNIVERSITY ATHENS	GR	OBS	64
NATIONAL TECHNICAL UNIVERSITY ATHENS	GR	OBS	73
NATIONAL TECHNICAL UNIVERSITY ATHENS	GR	OBS	2466
NATIONAL THECHNICAL UNIVERSITY	GR	BR	3230
NATURAL ENVIRONMENT RESEARCH COUNCIL	UK	IPS	2316
NETHERLANDS ENERGY RESEARCH FOUNDATION (ECN)	NL	BR	3178
NIHE-NATIONAL INSTITUTE FOR HIGHER EDUCATION	IRL	BR	3352
NIHE-NATIONAL INSTITUTE FOR HIGHER EDUCATION	IRL	IPS	938
NIHE-NATIONAL INSTITUTE FOR HIGHER EDUCATION	IRL	IPS	2151
NIHE-NATIONAL INSTITUTE FOR HIGHER EDUCATION	IRL	IPS	2487
NIHE-NATIONAL INSTITUTE FOR HIGHER EDUCATION	IRL	MEL	2013
NIJENRODE UNIVERSITEIT VOOR BEDRIJFSKUNDE	NL	IPS	2686
NORATOM AS	N	CIM	2434
NORWEGIAN INSTITUTE OF TECHNOLOGY	N	BR	3352
NUC - NORDJYSK UDVIKLINGSCENTER	DK	IPS	599

ODENSE UNIVERSITET	DK	BR	3199
ONERA-CERT	F	IPS	316
ONERA-CERT	F	IPS	510
ONERA-CERT	F	IPS	1598
ONERA-CERT	F	IPS	2447
P. SCHERER INST.	CH	OBS	2103
PAISLEY COLLEGE OF TECHNOLOGY	UK	CIM	2178
PAISLEY COLLEGE OF TECHNOLOGY	UK	IPS	1609
PHILIPS FORSCHUNGSLABOR	D	CIM	932
PHILIPS FORSCHUNGSLABOR	D	OBS	237
PHILIPS FORSCHUNGSLABOR	D	OBS	295
PHYSIKALISCH-TECHNISCHE BUNDESANSTALT-PTB	D	BR	3260
POLITECNICO DI MILANO	I	BR	3166
POLITECNICO DI MILANO	I	BR	3199
POLITECNICO DI MILANO	I	CIM	623
POLITECNICO DI MILANO	I	CIM	812
POLITECNICO DI MILANO	I	CIM	932
POLITECNICO DI MILANO	I	CIM	1556
POLITECNICO DI MILANO	I	CIM	2202
POLITECNICO DI MILANO	I	CIM	2434
POLITECNICO DI MILANO	I	IPS	316
POLITECNICO DI MILANO	I	IPS	410
POLITECNICO DI MILANO	I	IPS	867
POLITECNICO DI MILANO	I	IPS	2409
POLITECNICO DI MILANO	I	IPS	2443
POLITECNICO DI MILANO	I	OBS	169
POLITECNICO DI MILANO	I	OBS	249
POLITECNICO DI MILANO	I	OBS	813
POLITECNICO DI MILANO	I	OBS	2109
POLITECNICO DI MILANO	I	OBS	2121
POLITECNICO DI MILANO	I	OBS	2170
POLITECNICO DI TORINO	I	BR	3049
POLITECNICO DI TORINO	I	BR	3216

POLITECNICO DI TORINO	I	CIM	2486
POLITECNICO DI TORINO	I	IPS	2059
POLITECNICO DI TORINO	I	IPS	2101
POLITECNICO DI TORINO	I	IPS	2218
POLITECNICO DI TORINO	I	MEL	255
POLITECNICO DI TORINO	I	OBS	855
POLYTECHNIC OF CENTRAL LONDON	UK	IPS	867
POLYTECHNIC OF CRETE	GR	OBS	2105
PTT RESEARCH TELEMATICA LABORATORIUM	NL	IPS	2177
QUEEN MARY COLLEGE	UK	BR	3085
QUEEN MARY COLLEGE	UK	BR	3085
QUEEN MARY COLLEGE	UK	BR	3160
QUEEN MARY COLLEGE	UK	IPS	387
QUEEN MARY COLLEGE	UK	IPS	2152
QUEEN MARY COLLEGE	UK	IPS	2256
QUEEN MARY COLLEGE	UK	OBS	1024
QUEEN MARY COLLEGE	UK	OBS	2484
QUEEN'S UNIVERSITY OF BELFAST	UK	BR	3352
RANK XEROX LTD	UK	BR	3066
RESEARCH CENTER OF CRETE	GR	BR	3041
RESEARCH CENTER OF CRETE - CRETAN COMPUTER INSTITUTE	GR	MEL	1270
RESEARCH CENTER OF CRETE - CRETAN COMPUTER INSTITUTE	GR	OBS	82
RESEARCH INSITUTE FOR SYMBOLIC COMPUTATION	A	BR	3125
RESEARCH UNIT FOR COMPUTATIONAL LINGUISTICS	SF	OBS	2083
RIOM / GRONINGEN UNIVERSITY	NL	OBS	2144
RISO NATIONAL LABORATORY	DK	BR	3105
RISO NATIONAL LABORATORY	DK	CIM	534
RISO NATIONAL LABORATORY	DK	CIM	2280
RISO NATIONAL LABORATORY	DK	IPS	2288
RISO NATIONAL LABORATORY	DK	OBS	878
RISO NATIONAL LABORATORY	DK	OBS	2322
ROBOTIKER	E	CIM	2017

ROBOTIKER	E	CIM	2617
ROF NEVANLINNE INSTITUTE	SF	BR	3234
ROSKILDE UNIVERSITET CENTER	DK	BR	3105
ROYAL DANISH SCHOOL OF EDUCATIONAL STUDIES	DK	BR	3267
ROYAL HOLLOWAY & BEDFORD NEW COLLEGE-UNIVERSITY OF LONDON	UK	BR	3104
ROYAL INSTITUTE OF TECHNOLOGY	S	BR	3001
ROYAL INSTITUTE OF TECHNOLOGY	S	BR	3038
ROYAL INSTITUTE OF TECHNOLOGY	S	BR	3352
RSRE-ROYAL SIGNAL & RADAR ESTABLISHMENT	UK	BR	3186
RSRE-ROYAL SIGNALS AND RADAR ESTABLISHMENT	UK	BR	3043
RSRE-ROYAL SIGNALS AND RADAR ESTABLISHMENT	UK	BR	3177
RSRE-ROYAL SIGNALS AND RADAR ESTABLISHMENT	UK	BR	3228
RSRE-ROYAL SIGNALS AND RADAR ESTABLISHMENT	UK	IPS	1085
RSRE-ROYAL SIGNALS AND RADAR ESTABLISHMENT	UK	IPS	2528
RSRE-ROYAL SIGNALS AND RADAR ESTABLISHMENT	UK	MEL	2260
RSRE-ROYAL SIGNALS AND RADAR ESTABLISHMENT	UK	MEL	2360
RUHR UNIVERSITAET BOCHUM	D	IPS	2104
RUHR UNIVERSITAET BOCHUM	D	IPS	2589
RUHR UNIVERSITAET BOCHUM	D	MEL	97
RUHR UNIVERSITAET BOCHUM	D	MEL	2016
RUHR UNIVERSITAET BOCHUM	D	MEL	2016
RUHR UNIVERSITAET BOCHUM	D	OBS	291
RUHR-UNIVERSITAET BOCHUM	D	BR	3001
RUHR-UNIVERSITAET BOCHUM	D	BR	3149
RUTHERFORD APPLETON LABORATORY	UK	CIM	322
RUTHERFORD APPLETON LABORATORY	UK	IPS	2474
RUTHERFORD APPLETON LABORATORY	UK	MEL	962
RUTHERFORD APPLETON LABORATORY	UK	OBS	2382
RUTHERFORD APPLETON LABORATORY	UK	OBS	2463
RUTHERFORD APPLETON LABORATORY	UK	OBS	2569
RWTH AACHEN	D	BR	3166
RWTH AACHEN	D	CIM	9
RWTH AACHEN	D	CIM	418

RWTH AACHEN	D	CIM	688
RWTH AACHEN	D	CIM	812
RWTH AACHEN	D	CIM	2165
RWTH AACHEN	D	CIM	2434
RWTH AACHEN	D	MEL	927
RWTH AACHEN	D	MEL	2518
RWTH AACHEN	D	OBS	2146
S.C.K. - C.E.N.	B	OBS	367
S.C.K. - C.E.N.	B	OBS	2322
SENER FOR INDUSTRIFORSKNING	N	CIM	2165
SENER FOR INDUSTRIFORSKNING	N	CIM	2671
SERAM	F	CIM	623
SERAM	F	CIM	2349
SERC	NL	IPS	2565
SINTEF	N	BR	3143
SINTEF	N	CIM	2165
SINTEF	N	IPS	2143
SINTEF	N	IPS	2576
SNS PISA	I	OBS	64
SOUTH BANK POLYTECHNIC	UK	IPS	304
SOUTH BANK POLYTECHNIC	UK	IPS	1098
SOUTH BANK POLYTECHNIC	UK	IPS	2384
SOUTH BANK POLYTECHNIC	UK	OBS	1573
ST. PATRICK'S COLLEGE	IRL	BR	3049
ST. PATRICK'S COLLEGE	IRL	IPS	527
STUDSVIK NUCLEAR	S	OBS	2322
SWEDISH INSTITUTE OF COMPUTER SCIENCE	S	BR	3006
SWEDISH INSTITUTE OF COMPUTER SCIENCE	S	BR	3096
SWEDISH TELECOM	S	CIM	2292
SWEDISH TELECOM	S	CIM	2292
SWISS FEDERAL INSTITUTE OF TECHNOLOGY	CH	BR	3352
SWISS FEDERAL INSTITUTE OF TECHNOLOGY	CH	CIM	2640
SWISS FEDERAL INSTITUTE OF TECHNOLOGY	CH	MEL	2289

TAMPERE UNIVERSITY OF TECHNOLOGY	SF	BR	3352
TECHNICAL RESEARCH CENTRE OF FINLAND	SF	CIM	2483
TECHNICAL RESEARCH CENTRE OF FINLAND	SF	OBS	2322
TECHNISCHE HOCHSCHULE DARMSTADT	D	BR	3216
TECHNISCHE HOCHSCHULE DARMSTADT	D	BR	3281
TECHNISCHE HOCHSCHULE DARMSTADT	D	CIM	504
TECHNISCHE HOCHSCHULE DARMSTADT	D	CIM	2590
TECHNISCHE HOCHSCHULE DARMSTADT	D	IPS	2092
TECHNISCHE HOCHSCHULE DARMSTADT	D	MEL	244
TECHNISCHE HOCHSCHULE DARMSTADT	D	MEL	824
TECHNISCHE HOCHSCHULE DARMSTADT	D	MEL	2016
TECHNISCHE UNIVERSITAET BERLIN	D	BR	3166
TECHNISCHE UNIVERSITAET BERLIN	D	BR	3177
TECHNISCHE UNIVERSITAET BERLIN	D	BR	3264
TECHNISCHE UNIVERSITAET BERLIN	D	BR	3299
TECHNISCHE UNIVERSITAET BERLIN	D	CIM	2010
TECHNISCHE UNIVERSITAET BERLIN	D	IPS	311
TECHNISCHE UNIVERSITAET BERLIN	D	IPS	2080
TECHNISCHE UNIVERSITAET BERLIN	D	IPS	2304
TECHNISCHE UNIVERSITAET BERLIN	D	MEL	243
TECHNISCHE UNIVERSITAET BERLIN	D	MEL	2016
TECHNISCHE UNIVERSITAET BERLIN	D	MEL	2016
TECHNISCHE UNIVERSITAET BRAUNSCHWEIG	D	BR	3023
TECHNISCHE UNIVERSITAET BRAUNSCHWEIG	D	BR	3199
TECHNISCHE UNIVERSITAET BRAUNSCHWEIG	D	BR	3264
TECHNISCHE UNIVERSITAET HAMBURG-HARBURG	D	BR	3352
TECHNISCHE UNIVERSITAET MUENCHEN	D	BR	3148
TECHNISCHE UNIVERSITAET MUENCHEN	D	BR	3166
TECHNISCHE UNIVERSITAET MUENCHEN	D	BR	3352
TECHNISCHE UNIVERSITAET MUENCHEN	D	IPS	973
TECHNISCHE UNIVERSITAET MUENCHEN	D	OBS	878
TECHNISCHE UNIVERSITAET WIEN	A	BR	3092
TECHNISCHE UNIVERSITEIT DELFT	NL	BR	3133

TECHNISCHE UNIVERSITEIT DELFT	NL	BR	3280
TECHNISCHE UNIVERSITEIT DELFT	NL	CIM	809
TECHNISCHE UNIVERSITEIT DELFT	NL	CIM	2277
TECHNISCHE UNIVERSITEIT DELFT	NL	CIM	2415
TECHNISCHE UNIVERSITEIT DELFT	NL	IPS	881
TECHNISCHE UNIVERSITEIT DELFT	NL	MEL	991
TECHNISCHE UNIVERSITEIT EINDHOVEN	NL	BR	3017
TECHNISCHE UNIVERSITEIT EINDHOVEN	NL	BR	3096
TECHNISCHE UNIVERSITEIT EINDHOVEN	NL	BR	3143
TECHNISCHE UNIVERSITEIT EINDHOVEN	NL	BR	3281
TECHNISCHE UNIVERSITEIT EINDHOVEN	NL	IPS	937
TECHNISCHE UNIVERSITEIT EINDHOVEN	NL	IPS	2565
TECHNISCHE UNIVERSITEIT EINDHOVEN	NL	MEL	991
TECHNISCHE UNIVERSITEIT EINDHOVEN	NL	MEL	2318
TECNOPOLIS CSATA NOVUS ORTUS	I	CIM	2671
TECNOPOLIS CSATA NOVUS ORTUS	I	IPS	1262
TECNOPOLIS CSATA NOVUS ORTUS	I	IPS	2570
TECNOPOLIS CSATA NOVUS ORTUS	I	OBS	291
TECNOPOLIS CSATA NOVUS ORTUS	I	OBS	2105
TEKNOLOGISK INSTITUT	DK	CIM	1199
TEKNOLOGISK INSTITUT	DK	CIM	2280
TELEVERKET (THE SWEDISH TELECOMMUNICATIONS ADMINISTRATION)	S	IPS	2589
THE COMMUNICATION AND MANAGEMENT SYSTEMS UNIT	GR	OBS	2121
THE IMPERIAL COLLEGE OF SCIENCE, TECHNOLOGY AND MEDICINE	UK	BR	3003
THE IMPERIAL COLLEGE OF SCIENCE, TECHNOLOGY AND MEDICINE	UK	BR	3012
THE IMPERIAL COLLEGE OF SCIENCE, TECHNOLOGY AND MEDICINE	UK	BR	3020
THE IMPERIAL COLLEGE OF SCIENCE, TECHNOLOGY AND MEDICINE	UK	BR	3023
THE IMPERIAL COLLEGE OF SCIENCE, TECHNOLOGY AND MEDICINE	UK	BR	3074

THE IMPERIAL COLLEGE OF SCIENCE, TECHNOLOGY AND MEDICINE	UK	BR	3096
THE IMPERIAL COLLEGE OF SCIENCE, TECHNOLOGY AND MEDICINE	UK	BR	3124
THE IMPERIAL COLLEGE OF SCIENCE, TECHNOLOGY AND MEDICINE	UK	BR	3125
THE IMPERIAL COLLEGE OF SCIENCE, TECHNOLOGY AND MEDICINE	UK	BR	3147
THE IMPERIAL COLLEGE OF SCIENCE, TECHNOLOGY AND MEDICINE	UK	BR	3152
THE IMPERIAL COLLEGE OF SCIENCE, TECHNOLOGY AND MEDICINE	UK	CIM	2192
THE IMPERIAL COLLEGE OF SCIENCE, TECHNOLOGY AND MEDICINE	UK	CIM	2415
THE IMPERIAL COLLEGE OF SCIENCE, TECHNOLOGY AND MEDICINE	UK	IPS	938
THE IMPERIAL COLLEGE OF SCIENCE, TECHNOLOGY AND MEDICINE	UK	IPS	1033
THE IMPERIAL COLLEGE OF SCIENCE, TECHNOLOGY AND MEDICINE	UK	IPS	1041
THE IMPERIAL COLLEGE OF SCIENCE, TECHNOLOGY AND MEDICINE	UK	IPS	2025
THE IMPERIAL COLLEGE OF SCIENCE, TECHNOLOGY AND MEDICINE	UK	IPS	2046
THE IMPERIAL COLLEGE OF SCIENCE, TECHNOLOGY AND MEDICINE	UK	IPS	2080
THE IMPERIAL COLLEGE OF SCIENCE, TECHNOLOGY AND MEDICINE	UK	IPS	2409
THE IMPERIAL COLLEGE OF SCIENCE, TECHNOLOGY AND MEDICINE	UK	IPS	2469
THE IMPERIAL COLLEGE OF SCIENCE, TECHNOLOGY AND MEDICINE	UK	IPS	2620
THE MICROELECTRONICS APPLICATIONS RESEARCH INSTITUTE	UK	IES	630
THE MICROELECTRONICS APPLICATIONS RESEARCH INSTITUTE	UK	IPS	2252
THE MICROELECTRONICS APPLICATIONS RESEARCH INSTITUTE	UK	IPS	2301
THE ROYAL INSTITUTE OF TECHNOLOGY	S	IPS	2589

THE TURING INSTITUTE	UK	BR	3059
THE TURING INSTITUTE	UK	CIM	2671
THE TURING INSTITUTE	UK	IPS	814
THE TURING INSTITUTE	UK	IPS	2154
TNO NETHERLANDS ORGANISATION FOR APPLIED SCIENTIFIC RESEARCH	NL	CIM	384
TNO NETHERLANDS ORGANISATION FOR APPLIED SCIENTIFIC RESEARCH	NL	CIM	2090
TNO NETHERLANDS ORGANISATION FOR APPLIED SCIENTIFIC RESEARCH	NL	CIM	2165
TNO NETHERLANDS ORGANISATION FOR APPLIED SCIENTIFIC RESEARCH	NL	IPS	2589
TNO NETHERLANDS ORGANISATION FOR APPLIED SCIENTIFIC RESEARCH	NL	OBS	2638
TNO PHYSICS AND ELECTRONICS LABORATORY	NL	BR	3352
TRENT POLYTECHNIC	UK	OBS	295
TRINITY COLLEGE DUBLIN	IRL	BR	3075
TRINITY COLLEGE DUBLIN	IRL	BR	3180
TRINITY COLLEGE DUBLIN	IRL	BR	3200
TRINITY COLLEGE DUBLIN	IRL	BR	3279
TRINITY COLLEGE DUBLIN	IRL	BR	3350
TRINITY COLLEGE DUBLIN	IRL	BR	3352
TRINITY COLLEGE DUBLIN	IRL	CIM	319
TRINITY COLLEGE DUBLIN	IRL	CIM	496
TRINITY COLLEGE DUBLIN	IRL	CIM	1062
TRINITY COLLEGE DUBLIN	IRL	CIM	2527
TRINITY COLLEGE DUBLIN	IRL	IPS	419
TRINITY COLLEGE DUBLIN	IRL	MEL	271
TRINITY COLLEGE DUBLIN	IRL	MEL	962
TRINITY COLLEGE DUBLIN	IRL	MEL	2016
TRINITY COLLEGE DUBLIN	IRL	MEL	2430
TRINITY COLLEGE DUBLIN	IRL	MEL	2437
TRINITY COLLEGE DUBLIN	IRL	OBS	231
TRINITY COLLEGE DUBLIN	IRL	OBS	834
TRINITY COLLEGE DUBLIN	IRL	OBS	2071

TRINITY COLLEGE DUBLIN	IRL	OBS	2121
UFR-UNIVERSITE PARIS 7	F	BR	3245
UKAEA-UK ATOMIC ENERGY AUTHORITY	UK	CIM	2637
UKAEA-UK ATOMIC ENERGY AUTHORITY	UK	CIM	2637
UKAEA-UK ATOMIC ENERGY AUTHORITY	UK	IPS	2092
UKAEA-UK ATOMIC ENERGY AUTHORITY	UK	IPS	2151
UKAEA-UK ATOMIC ENERGY AUTHORITY	UK	IPS	2252
UKAEA-UK ATOMIC ENERGY AUTHORITY	UK	IPS	2354
UNINOVA	P	IPS	973
UNINOVA - INSTITUTO DE DESENVOLVIMENTO DE NOVAS TECNOLOGIAS	P	BR	3012
UNIVERSIDAD AUTONOMA DE MADRID	E	BR	3026
UNIVERSIDAD AUTONOMA DE MADRID	E	BR	3247
UNIVERSIDAD DE BARCELONA	E	BR	3086
UNIVERSIDAD DE GRANADA	E	BR	3085
UNIVERSIDAD DE MADRID-ETSI	E	BR	3180
UNIVERSIDAD DE MADRID-ETSI	E	BR	3199
UNIVERSIDAD DE MADRID-ETSI	E	BR	3350
UNIVERSIDAD DE SEVILLA	E	MEL	2193
UNIVERSIDAD DE ZARAGOZA	E	BR	3148
UNIVERSIDAD DEL PAIS VASCO	E	IPS	2615
UNIVERSIDAD NACIONAL DE EDUCACION A DISTANCIA	E	IPS	2104
UNIVERSIDAD NACIONAL DE EDUCACION A DISTANCIA	E	OBS	291
UNIVERSIDAD POLITECNICA DE CANARIAS	E	BR	3237
UNIVERSIDAD POLITECNICA DE MADRID	E	BR	3086
UNIVERSIDAD POLITECNICA DE MADRID	E	BR	3168
UNIVERSIDAD POLITECNICA DE MADRID	E	BR	3180
UNIVERSIDAD POLITECNICA DE MADRID	E	BR	3228
UNIVERSIDAD POLITECNICA DE MADRID	E	BR	3350
UNIVERSIDAD POLITECNICA DE MADRID	E	CIM	623
UNIVERSIDAD POLITECNICA DE MADRID	E	CIM	2010
UNIVERSIDAD POLITECNICA DE MADRID	E	CIM	2198
UNIVERSIDAD POLITECNICA DE MADRID	E	CIM	2202
UNIVERSIDAD POLITECNICA DE MADRID	E	CIM	2483

UNIVERSIDAD POLITECNICA DE MADRID	E	IPS	2059
UNIVERSIDAD POLITECNICA DE MADRID	E	IPS	2101
UNIVERSIDAD POLITECNICA DE MADRID	E	IPS	2104
UNIVERSIDAD POLITECNICA DE MADRID	E	IPS	2148
UNIVERSIDAD POLITECNICA DE MADRID	E	IPS	2304
UNIVERSIDAD POLITECNICA DE MADRID	E	IPS	2471
UNIVERSIDAD POLITECNICA DE MADRID	E	IPS	2576
UNIVERSIDAD POLITECNICA DE MADRID	E	MEL	2035
UNIVERSIDAD POLITECNICA DE MADRID	E	MEL	2318
UNIVERSIDAD POLITECNICA DE MADRID	E	OBS	2058
UNIVERSIDAD POLITECNICA DE MADRID	E	OBS	2146
UNIVERSIDAD POLITECNICA DE MADRID	E	OBS	2512
UNIVERSIDAD POLITECNICA DE MADRID	E	OBS	2563
UNIVERSIDAD POLITECNICA DE VALENCIA - U.P.V.	E	BR	3279
UNIVERSIDADE CATOLICA PORTUGESA	P	OBS	2083
UNIVERSIDADE DE AVEIRO	P	BR	3352
UNIVERSIDADE DE COIMBRA	P	BR	3352
UNIVERSIDADE DE COIMBRA	P	IPS	2154
UNIVERSIDADE DO MINHO	P	BR	3352
UNIVERSIDADE DO MINHO	P	OBS	385
UNIVERSIDADE DO PORTO	P	BR	3059
UNIVERSIDADE DO PORTO	P	CIM	2127
UNIVERSIDADE DO PORTO	P	CIM	2617
UNIVERSIDADE DO PORTO	P	IPS	2256
UNIVERSIDADE NOVA DE LISBOA	P	BR	3352
UNIVERSIDADE NOVA DE LISBOA	P	CIM	278
UNIVERSIDADE NOVA DE LISBOA	P	CIM	623
UNIVERSIDADE NOVA DE LISBOA - INSTITUTO DE DESENVOLVIMENTO DE NOVAS TECNOLOGIAS	P	BR	3020
UNIVERSIDADE NOVA DE LISBOA - INSTITUTO DE DESENVOLVIMENTO DE NOVAS TECNOLOGIAS	P	CIM	2202
UNIVERSIDADE NOVA DE LISBOA - INSTITUTO DE DESENVOLVIMENTO DE NOVAS TECNOLOGIAS	P	CIM	2658
UNIVERSITA CATTOLICA DEL SACRO CUORE	I	OBS	2221

UNIVERSITA DEGLI STUDI DI PARMA	I	BR	3003
UNIVERSITA DEGLI STUDI DI PAVIA	I	IPS	2143
UNIVERSITA DEGLI STUDI DI ROMA LA SAPIENZA	I	BR	3012
UNIVERSITA DEGLI STUDI DI ROMA LA SAPIENZA	I	BR	3075
UNIVERSITA DEGLI STUDI DI ROMA LA SAPIENZA	I	BR	3191
UNIVERSITA DELL'AQUILA	I	IPS	2424
UNIVERSITA DELLA CALABRIA	I	IPS	2424
UNIVERSITA DI BARI	I	MEL	2360
UNIVERSITA DI BOLOGNA	I	IPS	818
UNIVERSITA DI BOLOGNA	I	IPS	874
UNIVERSITA DI BOLOGNA	I	MEL	833
UNIVERSITA DI BOLOGNA	I	MEL	962
UNIVERSITA DI BOLOGNA	I	MEL	2197
UNIVERSITA DI FIRENZE	I	OBS	2239
UNIVERSITA DI GENOVA	I	BR	3001
UNIVERSITA DI GENOVA	I	BR	3200
UNIVERSITA DI GENOVA	I	BR	3264
UNIVERSITA DI GENOVA	I	BR	3274
UNIVERSITA DI GENOVA	I	BR	3352
UNIVERSITA DI GENOVA	I	CIM	595
UNIVERSITA DI GENOVA	I	CIM	1062
UNIVERSITA DI GENOVA	I	IPS	419
UNIVERSITA DI GENOVA	I	IPS	940
UNIVERSITA DI GENOVA	I	IPS	2316
UNIVERSITA DI GENOVA	I	IPS	2502
UNIVERSITA DI GENOVA	I	MEL	2272
UNIVERSITA DI MESSINA	I	BR	3177
UNIVERSITA DI MILANO	I	BR	3148
UNIVERSITA DI MILANO	I	BR	3166
UNIVERSITA DI MILANO	I	BR	3207
UNIVERSITA DI MILANO	I	BR	3249
UNIVERSITA DI MILANO	I	IPS	2143
UNIVERSITA DI MILANO	I	OBS	285

UNIVERSITA DI MILANO	I	OBS	2121
UNIVERSITA DI MILANO	I	OBS	2466
UNIVERSITA DI MODENA	I	BR	3017
UNIVERSITA DI NAPOLI	I	BR	3166
UNIVERSITA DI PALERMO	I	BR	3166
UNIVERSITA DI PISA	I	BR	3011
UNIVERSITA DI PISA	I	BR	3012
UNIVERSITA DI PISA	I	BR	3020
UNIVERSITA DI PISA	I	BR	3030
UNIVERSITA DI PISA	I	BR	3070
UNIVERSITA DI PISA	I	BR	3160
UNIVERSITA DI PISA	I	BR	3168
UNIVERSITA DI PISA	I	BR	3299
UNIVERSITA DI PISA	I	IPS	527
UNIVERSITA DI PISA	I	IPS	530
UNIVERSITA DI PISA	I	MEL	2272
UNIVERSITA DI ROMA	I	BR	3230
UNIVERSITA DI ROMA 'LA SAPIENZA'	I	IPS	1117
UNIVERSITA DI ROMA II TOR VERGATA	I	BR	3026
UNIVERSITA DI ROMA II TOR VERGATA	I	BR	3177
UNIVERSITA DI TORINO	I	BR	3125
UNIVERSITA DI TORINO	I	BR	3245
UNIVERSITA DI TORINO	I	BR	3352
UNIVERSITA DI TORINO	I	IPS	2143
UNIVERSITA DI TRENTO	I	BR	3352
UNIVERSITA DI UDINE	I	BR	3351
UNIVERSITA DI UDINE	I	BR	3352
UNIVERSITAET BAYREUTH	D	BR	3219
UNIVERSITAET BIELEFELD	D	IPS	2589
UNIVERSITAET BREMEN	D	BR	3264
UNIVERSITAET BREMEN	D	BR	3299
UNIVERSITAET BREMEN	D	CIM	1199
UNIVERSITAET BREMEN	D	IPS	390

UNIVERSITAET BREMEN	D	IPS	2570
UNIVERSITAET DER BUNDESWEHR	D	BR	3219
UNIVERSITAET DES SAARLANDES	D	BR	3075
UNIVERSITAET DES SAARLANDES	D	BR	3166
UNIVERSITAET DES SAARLANDES	D	BR	3351
UNIVERSITAET DES SAARLANDES	D	CIM	2527
UNIVERSITAET DES SAARLANDES	D	IPS	390
UNIVERSITAET DORTMUND	D	BR	3023
UNIVERSITAET DORTMUND	D	BR	3049
UNIVERSITAET DORTMUND	D	BR	3264
UNIVERSITAET DORTMUND	D	IPS	266
UNIVERSITAET DORTMUND	D	IPS	390
UNIVERSITAET DORTMUND	D	IPS	530
UNIVERSITAET DORTMUND	D	IPS	898
UNIVERSITAET DORTMUND	D	IPS	1520
UNIVERSITAET DORTMUND	D	IPS	2143
UNIVERSITAET DORTMUND	D	IPS	2565
UNIVERSITAET DORTMUND	D	MEL	2268
UNIVERSITAET ERLANGEN-NUERNBERG	D	BR	3199
UNIVERSITAET ERLANGEN-NUERNBERG	D	CIM	2017
UNIVERSITAET ERLANGEN-NUERNBERG	D	CIM	2658
UNIVERSITAET ERLANGEN-NUERNBERG	D	IPS	2218
UNIVERSITAET ERLANGEN-NUERNBERG	D	IPS	2288
UNIVERSITAET FRANKFURT	D	IPS	892
UNIVERSITAET GESAMTHOCHSCHULE SIEGEN	D	MEL	2318
UNIVERSITAET HAMBURG	D	BR	3234
UNIVERSITAET HAMBURG	D	OBS	2001
UNIVERSITAET HANNOVER	D	CIM	1136
UNIVERSITAET HANNOVER	D	CIM	2434
UNIVERSITAET HANNOVER	D	CIM	2457
UNIVERSITAET HANNOVER	D	IPS	2255
UNIVERSITAET HANNOVER	D	OBS	2102
UNIVERSITAET HEIDELBERG	D	OBS	2315

UNIVERSITAET HILDESHEIM	D	IPS	1271
UNIVERSITAET KAISERSLAUTERN	D	BR	3012
UNIVERSITAET KAISERSLAUTERN	D	BR	3125
UNIVERSITAET KAISERSLAUTERN	D	BR	3199
UNIVERSITAET KAISERSLAUTERN	D	BR	3230
UNIVERSITAET KAISERSLAUTERN	D	BR	3237
UNIVERSITAET KAISERSLAUTERN	D	IPS	1005
UNIVERSITAET KAISERSLAUTERN	D	IPS	1033
UNIVERSITAET KAISERSLAUTERN	D	OBS	2146
UNIVERSITAET KARLSRUHE	D	BR	3001
UNIVERSITAET KARLSRUHE	D	BR	3041
UNIVERSITAET KARLSRUHE	D	BR	3092
UNIVERSITAET KARLSRUHE	D	CIM	322
UNIVERSITAET KARLSRUHE	D	CIM	623
UNIVERSITAET KARLSRUHE	D	CIM	2091
UNIVERSITAET KARLSRUHE	D	CIM	2165
UNIVERSITAET KARLSRUHE	D	CIM	2202
UNIVERSITAET KARLSRUHE	D	CIM	2486
UNIVERSITAET KARLSRUHE	D	IPS	266
UNIVERSITAET KARLSRUHE	D	IPS	1072
UNIVERSITAET KARLSRUHE	D	IPS	2080
UNIVERSITAET KIEL	D	BR	3104
UNIVERSITAET KIEL	D	BR	3152
UNIVERSITAET PADERBORN	D	BR	3168
UNIVERSITAET PADERBORN	D	IPS	2565
UNIVERSITAET PADERBORN	D	MEL	2072
UNIVERSITAET PASSAU	D	BR	3012
UNIVERSITAET PASSAU	D	BR	3148
UNIVERSITAET PASSAU	D	BR	3264
UNIVERSITAET PASSAU	D	IPS	390
UNIVERSITAET PASSAU	D	IPS	432
UNIVERSITAET PASSAU	D	IPS	892
UNIVERSITAET STUTTGART	D	BR	3043

UNIVERSITAET STUTT GART	D	BR	3175
UNIVERSITAET STUTT GART	D	BR	3351
UNIVERSITAET STUTT GART	D	CIM	2617
UNIVERSITAET STUTT GART	D	CIM	2658
UNIVERSITAET STUTT GART	D	IPS	2094
UNIVERSITAET STUTT GART	D	IPS	2094
UNIVERSITAET STUTT GART	D	MEL	456
UNIVERSITAET STUTT GART	D	MEL	2430
UNIVERSITAET STUTT GART	D	OBS	231
UNIVERSITAET STUTT GART	D	OBS	834
UNIVERSITAET STUTT GART	D	OBS	954
UNIVERSITAET STUTT GART	D	OBS	2071
UNIVERSITAET STUTT GART	D	OBS	2146
UNIVERSITAET STUTT GART	D	OBS	2315
UNIVERSITAET STUTT GART	D	OBS	2512
UNIVERSITAET TUBINGEN	D	BR	3012
UNIVERSITAET TUEBINGEN	D	BR	3152
UNIVERSITAET TUEBINGEN	D	BR	3175
UNIVERSITAET TUEBINGEN	D	BR	3200
UNIVERSITAET TUEBINGEN	D	BR	3351
UNIVERSITAET TUEBINGEN	D	OBS	2484
UNIVERSITAIRE INSTELLING ANTWERPEN	B	BR	3351
UNIVERSITAIRE INSTELLING ANTWERPEN	B	IPS	1117
UNIVERSITAIRE INSTELLING ANTWERPEN	B	IPS	2424
UNIVERSITAT POLITECNICA DE CATALUNYA	E	BR	3075
UNIVERSITAT POLITECNICA DE CATALUNYA	E	BR	3264
UNIVERSITAT POLITECNICA DE CATALUNYA	E	BR	3352
UNIVERSITAT POLITECNICA DE CATALUNYA	E	CIM	1653
UNIVERSITAT POLITECNICA DE CATALUNYA	E	CIM	2428
UNIVERSITAT POLITECNICA DE CATALUNYA	E	IPS	1560
UNIVERSITAT POLITECNICA DE CATALUNYA	E	IPS	2025
UNIVERSITAT POLITECNICA DE CATALUNYA	E	IPS	2537
UNIVERSITAT POLITECNICA DE CATALUNYA	E	IPS	2620

UNIVERSITAT POLITECNICA DE CATALUNYA	E	MEL	2318
UNIVERSITAT POLITECNICA DE CATALUNYA	E	OBS	2058
UNIVERSITAT POLITECNICA DE CATALUNYA	E	OBS	2071
UNIVERSITAT POLITECNICA DE CATALUNYA	E	OBS	2315
UNIVERSITE BLAISE PASCAL-CLERMONT II	F	BR	3086
UNIVERSITE CATHOLIQUE DE LOUVAIN	B	BR	3049
UNIVERSITE CATHOLIQUE DE LOUVAIN	B	BR	3149
UNIVERSITE CATHOLIQUE DE LOUVAIN	B	IPS	510
UNIVERSITE CATHOLIQUE DE LOUVAIN	B	IPS	1520
UNIVERSITE CATHOLIQUE DE LOUVAIN	B	MEL	554
UNIVERSITE CATHOLIQUE DE LOUVAIN	B	MEL	1128
UNIVERSITE D'AIX-MARSEILLE II	F	BR	3012
UNIVERSITE D'AIX-MARSEILLE III	F	BR	3152
UNIVERSITE DE BESANCON	F	BR	3350
UNIVERSITE DE BORDEAUX 1	F	BR	3143
UNIVERSITE DE BORDEAUX 1	F	BR	3166
UNIVERSITE DE BORDEAUX 1	F	BR	3299
UNIVERSITE DE BORDEAUX 1	F	CIM	418
UNIVERSITE DE BORDEAUX 1	F	CIM	2338
UNIVERSITE DE BORDEAUX 1	F	MEL	2633
UNIVERSITE DE GENEVE	CH	BR	3149
UNIVERSITE DE GENEVE	CH	BR	3234
UNIVERSITE DE GENEVE	CH	OBS	2121
UNIVERSITE DE L'ETAT A MONS	B	BR	3166
UNIVERSITE DE LIEGE	B	BR	3096
UNIVERSITE DE LIEGE	B	BR	3105
UNIVERSITE DE LIEGE	B	BR	3351
UNIVERSITE DE LIEGE	B	IPS	1535
UNIVERSITE DE LIEGE	B	IPS	2469
UNIVERSITE DE LIEGE	B	OBS	73
UNIVERSITE DE LIEGE	B	OBS	890
UNIVERSITE DE MONTPELLIER	F	BR	3017
UNIVERSITE DE NICE-LISAN	F	OBS	2109

UNIVERSITE DE PARIS	F	OBS	169
UNIVERSITE DE PARIS	F	OBS	612
UNIVERSITE DE PARIS DAUPHINE	F	IPS	2154
UNIVERSITE DE PARIS I	F	OBS	813
UNIVERSITE DE PARIS VI	F	BR	3026
UNIVERSITE DE PARIS VI	F	BR	3352
UNIVERSITE DE PARIS VI	F	MEL	2268
UNIVERSITE DE PARIS VI	F	OBS	2100
UNIVERSITE DE PARIS VII	F	BR	3168
UNIVERSITE DE PARIS VII	F	BR	3180
UNIVERSITE DE PARIS VII	F	BR	3350
UNIVERSITE DE PARIS VII	F	MEL	2281
UNIVERSITE DE PARIS-NORD	F	BR	3105
UNIVERSITE DE PARIS-SUD	F	BR	3041
UNIVERSITE DE PARIS-SUD	F	BR	3059
UNIVERSITE DE PARIS-SUD	F	BR	3070
UNIVERSITE DE PARIS-SUD	F	BR	3146
UNIVERSITE DE PARIS-SUD	F	BR	3148
UNIVERSITE DE PARIS-SUD	F	BR	3264
UNIVERSITE DE PARIS-SUD	F	BR	3267
UNIVERSITE DE PARIS-SUD	F	IPS	432
UNIVERSITE DE PARIS-SUD	F	IPS	973
UNIVERSITE DE PARIS-SUD	F	IPS	1063
UNIVERSITE DE PARIS-SUD	F	IPS	2154
UNIVERSITE DE PROVENCE	F	BR	3216
UNIVERSITE DE SAVOIE	F	CIM	932
UNIVERSITE DE SAVOIE	F	CIM	2434
UNIVERSITE DE SAVOIE	F	CIM	2671
UNIVERSITE DE STRASBOURG 1 LOUIS PASTEUR	F	BR	3314
UNIVERSITE DE TECHNOLOGIE DE COMPIEGNE	F	CIM	2486
UNIVERSITE DE TOULON ET DU VAR	F	BR	3199
UNIVERSITE DE TOULOUSE-PAUL SABATIER	F	CIM	2010
UNIVERSITE DE TOULOUSE-PAUL SABATIER	F	OBS	169

UNIVERSITE DE VALENCIENNES	F	CIM	623
UNIVERSITE DE VALENCIENNES	F	CIM	1556
UNIVERSITE DES SCIENCES ET TECHNIQUES DE LILLE	F	BR	3166
UNIVERSITE DES SCIENCES ET TECHNIQUES DE LILLE-FLANDRES-ARTOIS	F	BR	3017
UNIVERSITE DES SCIENCES ET TECHNIQUES DE LILLE-FLANDRES-ARTOIS	F	MEL	2035
UNIVERSITE JOSEPH FOURIER-GRENOBLE I	F	BR	3049
UNIVERSITE JOSEPH FOURIER-GRENOBLE I	F	BR	3066
UNIVERSITE JOSEPH FOURIER-GRENOBLE I	F	IPS	401
UNIVERSITE JOSEPH FOURIER-GRENOBLE I	F	IPS	2059
UNIVERSITE JOSEPH FOURIER-GRENOBLE I	F	IPS	2252
UNIVERSITE LIBRE DE BRUXELLES	B	BR	3085
UNIVERSITE LIBRE DE BRUXELLES	B	BR	3146
UNIVERSITE LIBRE DE BRUXELLES	B	BR	3146
UNIVERSITE LIBRE DE BRUXELLES	B	BR	3148
UNIVERSITE LIBRE DE BRUXELLES	B	BR	3219
UNIVERSITE LIBRE DE BRUXELLES	B	BR	3234
UNIVERSITE LIBRE DE BRUXELLES	B	BR	3350
UNIVERSITE LIBRE DE BRUXELLES	B	IPS	1035
UNIVERSITE LIBRE DE BRUXELLES	B	IPS	2256
UNIVERSITE LOUIS PASTEUR STRASBOURG	F	CIM	2091
UNIVERSITE LOUIS PASTEUR STRASBOURG	F	IPS	26
UNIVERSITE LOUIS PASTEUR-IPCMS	F	BR	3199
UNIVERSITEIT NIJMEGEN	NL	OBS	291
UNIVERSITEIT TWENTE	NL	CIM	809
UNIVERSITEIT TWENTE	NL	IPS	891
UNIVERSITEIT TWENTE	NL	IPS	2304
UNIVERSITEIT TWENTE	NL	IPS	2427
UNIVERSITEIT TWENTE	NL	OBS	43
UNIVERSITEIT TWENTE	NL	OBS	612
UNIVERSITEIT TWENTE	NL	OBS	890
UNIVERSITEIT VAN AMSTERDAM	NL	BR	3030
UNIVERSITEIT VAN AMSTERDAM	NL	BR	3175

UNIVERSITEIT VAN AMSTERDAM	NL	BR	3178
UNIVERSITEIT VAN AMSTERDAM	NL	BR	3351
UNIVERSITEIT VAN AMSTERDAM	NL	CIM	623
UNIVERSITEIT VAN AMSTERDAM	NL	CIM	2043
UNIVERSITEIT VAN AMSTERDAM	NL	CIM	2202
UNIVERSITEIT VAN AMSTERDAM	NL	CIM	2439
UNIVERSITEIT VAN AMSTERDAM	NL	IPS	304
UNIVERSITEIT VAN AMSTERDAM	NL	IPS	1098
UNIVERSITEIT VAN AMSTERDAM	NL	IPS	2177
UNIVERSITEIT VAN AMSTERDAM	NL	IPS	2256
UNIVERSITEIT VAN AMSTERDAM	NL	IPS	2576
UNIVERSITEIT VAN AMSTERDAM	NL	OBS	64
UNIVERSITEIT VAN AMSTERDAM	NL	OBS	1541
UNIVERSITEIT VAN LIMBURG	NL	IPS	2570
UNIVERSITEIT VAN NIJMEGEN	NL	BR	3074
UNIVERSITEIT VAN NIJMEGEN	NL	BR	3147
UNIVERSITEIT VAN NIJMEGEN	NL	BR	3149
UNIVERSITEIT VAN NIJMEGEN	NL	BR	3351
UNIVERSITEIT VAN TILBURG	NL	BR	3023
UNIVERSITEIT VAN TILBURG	NL	OBS	2001
UNIVERSITEIT VAN UTRECHT	NL	BR	3001
UNIVERSITEIT VAN UTRECHT	NL	BR	3017
UNIVERSITEIT VAN UTRECHT	NL	BR	3075
UNIVERSITEIT VAN UTRECHT	NL	BR	3247
UNIVERSITEIT VAN UTRECHT	NL	MEL	369
UNIVERSITY COLLEGE CARDIFF	UK	BR	3086
UNIVERSITY COLLEGE CARDIFF	UK	BR	3177
UNIVERSITY COLLEGE CORK	IRL	BR	3152
UNIVERSITY COLLEGE CORK	IRL	IPS	2046
UNIVERSITY COLLEGE CORK	IRL	MEL	2039
UNIVERSITY COLLEGE CORK	IRL	OBS	385
UNIVERSITY COLLEGE DUBLIN	IRL	BR	3030
UNIVERSITY COLLEGE DUBLIN	IRL	BR	3166

UNIVERSITY COLLEGE DUBLIN	IRL	CIM	1561
UNIVERSITY COLLEGE DUBLIN	IRL	IES	706
UNIVERSITY COLLEGE DUBLIN	IRL	IPS	2397
UNIVERSITY COLLEGE DUBLIN	IRL	OBS	59
UNIVERSITY COLLEGE DUBLIN	IRL	OBS	2083
UNIVERSITY COLLEGE GALWAY	IRL	BR	3143
UNIVERSITY COLLEGE GALWAY	IRL	CIM	623
UNIVERSITY COLLEGE GALWAY	IRL	CIM	2202
UNIVERSITY COLLEGE GALWAY	IRL	CIM	2338
UNIVERSITY COLLEGE LONDON	UK	BR	3001
UNIVERSITY COLLEGE LONDON	UK	BR	3180
UNIVERSITY COLLEGE LONDON	UK	BR	3180
UNIVERSITY COLLEGE LONDON	UK	BR	3249
UNIVERSITY COLLEGE LONDON	UK	BR	3350
UNIVERSITY COLLEGE LONDON	UK	BR	3350
UNIVERSITY COLLEGE LONDON	UK	BR	3350
UNIVERSITY COLLEGE LONDON	UK	IES	719
UNIVERSITY COLLEGE LONDON	UK	IPS	866
UNIVERSITY COLLEGE LONDON	UK	IPS	1558
UNIVERSITY COLLEGE LONDON	UK	IPS	1588
UNIVERSITY COLLEGE LONDON	UK	IPS	2059
UNIVERSITY COLLEGE LONDON	UK	IPS	2409
UNIVERSITY COLLEGE LONDON	UK	IPS	2589
UNIVERSITY COLLEGE LONDON	UK	MEL	2289
UNIVERSITY COLLEGE LONDON	UK	OBS	395
UNIVERSITY COLLEGE LONDON	UK	OBS	1024
UNIVERSITY COLLEGE LONDON	UK	OBS	1541
UNIVERSITY COLLEGE LONDON	UK	OBS	1541
UNIVERSITY COLLEGE LONDON	UK	OBS	2374
UNIVERSITY COLLEGE LONDON	UK	OBS	2404
UNIVERSITY COLLEGE OF SWANSEA	UK	BR	3230
UNIVERSITY COLLEGE OF SWANSEA	UK	MEL	962
UNIVERSITY COLLEGE OF WALES	UK	IPS	1550

UNIVERSITY COLLEGE OF WALES NORTH	UK	BR	3352
UNIVERSITY OF ABERDEEN	UK	IPS	2154
UNIVERSITY OF AMSTERDAM	NL	BR	3006
UNIVERSITY OF ATHENS	GR	IPS	2256
UNIVERSITY OF BRADFORD	UK	BR	3059
UNIVERSITY OF BRISTOL	UK	BR	3012
UNIVERSITY OF BRISTOL	UK	BR	3352
UNIVERSITY OF BRISTOL	UK	IPS	2025
UNIVERSITY OF BRISTOL	UK	IPS	2471
UNIVERSITY OF BRISTOL	UK	OBS	2431
UNIVERSITY OF CAMBRIDGE	UK	BR	3003
UNIVERSITY OF CAMBRIDGE	UK	BR	3030
UNIVERSITY OF CAMBRIDGE	UK	BR	3042
UNIVERSITY OF CAMBRIDGE	UK	BR	3043
UNIVERSITY OF CAMBRIDGE	UK	BR	3109
UNIVERSITY OF CAMBRIDGE	UK	BR	3207
UNIVERSITY OF CAMBRIDGE	UK	BR	3215
UNIVERSITY OF CAMBRIDGE	UK	BR	3245
UNIVERSITY OF CAMBRIDGE	UK	BR	3351
UNIVERSITY OF CAMBRIDGE	UK	IPS	940
UNIVERSITY OF CAMBRIDGE	UK	IPS	2101
UNIVERSITY OF CAMBRIDGE	UK	MEL	245
UNIVERSITY OF CAMBRIDGE	UK	MEL	2281
UNIVERSITY OF CRETE	GR	IPS	2424
UNIVERSITY OF DUBLIN - TRINITY COLLEGE	IRL	BR	3177
UNIVERSITY OF EAST ANGLIA	UK	BR	3074
UNIVERSITY OF EAST ANGLIA	UK	IPS	2025
UNIVERSITY OF EAST ANGLIA	UK	OBS	998
UNIVERSITY OF EAST ANGLIA	UK	OBS	2463
UNIVERSITY OF EDINBURGH	UK	BR	3006
UNIVERSITY OF EDINBURGH	UK	BR	3012
UNIVERSITY OF EDINBURGH	UK	BR	3049
UNIVERSITY OF EDINBURGH	UK	BR	3152

UNIVERSITY OF EDINBURGH	UK	BR	3175
UNIVERSITY OF EDINBURGH	UK	BR	3200
UNIVERSITY OF EDINBURGH	UK	BR	3207
UNIVERSITY OF EDINBURGH	UK	BR	3245
UNIVERSITY OF EDINBURGH	UK	BR	3264
UNIVERSITY OF EDINBURGH	UK	BR	3324
UNIVERSITY OF EDINBURGH	UK	BR	3351
UNIVERSITY OF EDINBURGH	UK	BR	3351
UNIVERSITY OF EDINBURGH	UK	CIM	2434
UNIVERSITY OF EDINBURGH	UK	IPS	2104
UNIVERSITY OF EDINBURGH	UK	IPS	2143
UNIVERSITY OF EDINBURGH	UK	MEL	2048
UNIVERSITY OF EDINBURGH	UK	MEL	2319
UNIVERSITY OF ESSEX	UK	BR	3351
UNIVERSITY OF ESSEX	UK	MEL	991
UNIVERSITY OF EXETER	UK	BR	3043
UNIVERSITY OF GLASGOW	UK	BR	3070
UNIVERSITY OF GLASGOW	UK	BR	3124
UNIVERSITY OF GLASGOW	UK	BR	3133
UNIVERSITY OF GLASGOW	UK	OBS	2071
UNIVERSITY OF GLASGOW	UK	OBS	2466
UNIVERSITY OF HULL	UK	MEL	2360
UNIVERSITY OF KARLSRUHE	D	BR	3274
UNIVERSITY OF KARLSRUHE	D	BR	3352
UNIVERSITY OF KASSEL	D	IPS	857
UNIVERSITY OF KEELE	UK	BR	3001
UNIVERSITY OF KEELE	UK	IPS	2101
UNIVERSITY OF KENT	UK	BR	3352
UNIVERSITY OF LANCASTER	UK	IPS	1550
UNIVERSITY OF LAPPEENRANTA	SF	BR	3234
UNIVERSITY OF LEEDS	UK	IPS	280
UNIVERSITY OF LEEDS	UK	IPS	527
UNIVERSITY OF LEEDS	UK	IPS	1592

UNIVERSITY OF LEEDS	UK	IPS	2474
UNIVERSITY OF LIVERPOOL	UK	BR	3177
UNIVERSITY OF LIVERPOOL	UK	CIM	1199
UNIVERSITY OF LIVERPOOL	UK	IPS	1258
UNIVERSITY OF LIVERPOOL	UK	IPS	2447
UNIVERSITY OF LIVERPOOL	UK	IPS	2528
UNIVERSITY OF LONDON	UK	BR	3152
UNIVERSITY OF LONDON	UK	IPS	599
UNIVERSITY OF LONDON BIRKBECK COLLEGE	UK	OBS	2649
UNIVERSITY OF LONDON GOLDSMITH'S COLLEGE	UK	IPS	2686
UNIVERSITY OF LONDON-QUEEN MARY COLLEGE	UK	BR	3200
UNIVERSITY OF LUND	S	BR	3168
UNIVERSITY OF MANCHESTER	UK	BR	3096
UNIVERSITY OF MANCHESTER	UK	BR	3104
UNIVERSITY OF MANCHESTER	UK	BR	3105
UNIVERSITY OF MANCHESTER	UK	BR	3245
UNIVERSITY OF MANCHESTER	UK	BR	3351
UNIVERSITY OF MANCHESTER	UK	CIM	1199
UNIVERSITY OF MANCHESTER	UK	IPS	928
UNIVERSITY OF MANCHESTER	UK	IPS	1252
UNIVERSITY OF MANCHESTER	UK	IPS	2025
UNIVERSITY OF MANCHESTER	UK	IPS	2469
UNIVERSITY OF MANCHESTER	UK	MEL	2394
UNIVERSITY OF MILANO-FACOLTA DI MEDICINA	I	BR	3351
UNIVERSITY OF MUENCHEN	D	BR	3174
UNIVERSITY OF NEWCASTLE	UK	BR	3092
UNIVERSITY OF NEWCASTLE	UK	BR	3148
UNIVERSITY OF NEWCASTLE	UK	BR	3174
UNIVERSITY OF NEWCASTLE	UK	CIM	278
UNIVERSITY OF NEWCASTLE	UK	CIM	2640
UNIVERSITY OF NEWCASTLE	UK	CIM	2656
UNIVERSITY OF NEWCASTLE	UK	IPS	2252
UNIVERSITY OF NEWCASTLE	UK	IPS	2301

UNIVERSITY OF NEWCASTLE	UK	OBS	2294
UNIVERSITY OF NOTTINGHAM	UK	IPS	2576
UNIVERSITY OF OLSO	N	BR	3351
UNIVERSITY OF OXFORD	UK	BR	3001
UNIVERSITY OF OXFORD	UK	BR	3001
UNIVERSITY OF OXFORD	UK	BR	3006
UNIVERSITY OF OXFORD	UK	BR	3041
UNIVERSITY OF OXFORD	UK	BR	3049
UNIVERSITY OF OXFORD	UK	BR	3096
UNIVERSITY OF OXFORD	UK	BR	3104
UNIVERSITY OF OXFORD	UK	BR	3152
UNIVERSITY OF OXFORD	UK	BR	3219
UNIVERSITY OF OXFORD	UK	BR	3245
UNIVERSITY OF OXFORD	UK	BR	3245
UNIVERSITY OF OXFORD	UK	BR	3274
UNIVERSITY OF OXFORD	UK	BR	3324
UNIVERSITY OF OXFORD	UK	IPS	1560
UNIVERSITY OF OXFORD	UK	IPS	2080
UNIVERSITY OF OXFORD	UK	IPS	2447
UNIVERSITY OF OXFORD	UK	IPS	2487
UNIVERSITY OF OXFORD	UK	IPS	2502
UNIVERSITY OF PATRAS	GR	BR	3281
UNIVERSITY OF PATRAS	GR	IPS	1271
UNIVERSITY OF PATRAS	GR	IPS	2104
UNIVERSITY OF PATRAS	GR	OBS	169
UNIVERSITY OF PATRAS	GR	OBS	291
UNIVERSITY OF PATRAS	GR	OBS	2100
UNIVERSITY OF PATRAS	GR	OBS	2146
UNIVERSITY OF READING	UK	BR	3279
UNIVERSITY OF READING	UK	IPS	2152
UNIVERSITY OF READING	UK	OBS	890
UNIVERSITY OF SHEFFIELD	UK	BR	3001
UNIVERSITY OF SHEFFIELD	UK	BR	3168

UNIVERSITY OF SHEFFIELD	UK	BR	3180
UNIVERSITY OF SHEFFIELD	UK	BR	3350
UNIVERSITY OF SHEFFIELD	UK	IPS	2502
UNIVERSITY OF SOUTHAMPTON	UK	CIM	2483
UNIVERSITY OF SOUTHAMPTON	UK	IPS	1085
UNIVERSITY OF SOUTHAMPTON	UK	IPS	2447
UNIVERSITY OF SOUTHAMPTON	UK	MEL	380
UNIVERSITY OF SOUTHAMPTON	UK	MEL	986
UNIVERSITY OF SOUTHAMPTON	UK	OBS	2054
UNIVERSITY OF ST ANDREWS	UK	IPS	891
UNIVERSITY OF ST. ANDREWS	UK	BR	3070
UNIVERSITY OF STIRLING	UK	BR	3001
UNIVERSITY OF STIRLING	UK	IPS	302
UNIVERSITY OF STIRLING	UK	IPS	937
UNIVERSITY OF STIRLING	UK	IPS	2304
UNIVERSITY OF STRATHCLYDE	UK	BR	3216
UNIVERSITY OF STRATHCLYDE	UK	CIM	197
UNIVERSITY OF STRATHCLYDE	UK	CIM	2010
UNIVERSITY OF STRATHCLYDE	UK	CIM	2043
UNIVERSITY OF STRATHCLYDE	UK	IPS	390
UNIVERSITY OF STRATHCLYDE	UK	IPS	532
UNIVERSITY OF STRATHCLYDE	UK	IPS	857
UNIVERSITY OF STRATHCLYDE	UK	IPS	2151
UNIVERSITY OF STRATHCLYDE	UK	IPS	2397
UNIVERSITY OF STRATHCLYDE	UK	IPS	2565
UNIVERSITY OF STRATHCLYDE	UK	IPS	2592
UNIVERSITY OF STRATHCLYDE	UK	MEL	2426
UNIVERSITY OF STRATHCLYDE	UK	OBS	2083
UNIVERSITY OF SURREY	UK	BR	3038
UNIVERSITY OF SURREY	UK	BR	3352
UNIVERSITY OF SURREY	UK	IPS	2218
UNIVERSITY OF SURREY	UK	OBS	2315
UNIVERSITY OF SUSSEX	UK	BR	3006

UNIVERSITY OF SUSSEX	UK	BR	3011
UNIVERSITY OF SUSSEX	UK	BR	3352
UNIVERSITY OF SUSSEX	UK	OBS	2484
UNIVERSITY OF THE AEGEAN	GR	BR	3160
UNIVERSITY OF THESSALONIKI	GR	MEL	2283
UNIVERSITY OF THESSALONIKI	GR	MEL	2633
UNIVERSITY OF TILBURG	NL	BR	3351
UNIVERSITY OF UPPSALA	S	BR	3105
UNIVERSITY OF UPPSALA	S	BR	3314
UNIVERSITY OF WALES I.S.T.	UK	MEL	1270
UNIVERSITY OF WARWICK	UK	BR	3075
UNIVERSITY OF YORK	UK	BR	3066
UNIVERSITY OF YORK	UK	BR	3092
UNIVERSITY OF ZUERICH	CH	BR	3149
UPC/CSIC-INSTITUTO DE CIBERNETICA	E	BR	3352
USTL-MONTPPELLIER	F	BR	3247
VEREIN ZUR VOERDERUNG DES BIFOA	D	OBS	56
VEREIN ZUR VOERDERUNG DES BIFOA	D	OBS	813
VEREIN ZUR VOERDERUNG DES BIFOA	D	OBS	2082
VRIJE UNIVERSITEIT BRUSSEL	B	BR	3199
VRIJE UNIVERSITEIT BRUSSEL	B	BR	3234
VRIJE UNIVERSITEIT BRUSSEL	B	CIM	534
VRIJE UNIVERSITEIT BRUSSEL	B	IPS	440
VRIJE UNIVERSITEIT BRUSSEL	B	IPS	1570
VRIJE UNIVERSITEIT BRUSSEL	B	OBS	82
WELDING INSTITUTE OF CAMBRIDGE	UK	CIM	9
WELDING INSTITUTE OF CAMBRIDGE	UK	CIM	595
WESTFAELISCHE WILHELMS-UNIVERSITAET MUENSTER	D	BR	3199
WESTFAELISCHE WILHELMS-UNIVERSITAET MUENSTER	D	IPS	2620
WESTFAELISCHE WILHELMS-UNIVERSITAET MUENSTER	D	OBS	385

MORE INFORMATION?

If you require more information, please contact:

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