

CURRICULUM VITAE

21 JUNE 1995

PROFESSOR JORMA ROUTTI
PRESIDENT OF SITRA
HELSINKI, FINLAND

ADDRESSES

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Finnish National Fund for Research and Development
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00100 Helsinki, Finland

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PERSONAL DATA

Citizenship Finland

Born 17 December 1938, Jyväskylä, Finland

Parents Lic.Med. Olli Routti and Rauha Routti, born Kuusalo

Wife Architect Irmeli Routti, born Saurama, 1965-

Children Laura Routti, born in 1973 and Heli Routti, born in 1977

DEGREES

Master of Science Helsinki University of Technology, Finland, 1964

Master of Science University of California, Berkeley, USA, 1966

Doctor of Philosophy University of California, Berkeley, USA, 1969

Honorary Doctor of Philosophy, University of Jyväskylä, Finland, 1990

**HONORS AND
DECORATIONS**

Fullbright Fellowship, USA, 1964-1970

American Scandinavian Fellowship, USA, 1964-1965

Eisenhower Exchange Fellowship, USA, 1978

Finnish White Rose, First Class Knight

Chevalier dans l'ordre des Palmes Academiques. France



LANGUAGES

Finnish
English

Mother tongue, complete knowledge
Excellent spoken and written language
Doctoral degree and ten years of working
experience in USA and other foreign countries

Swedish

Good spoken and written language
formal examination for government officials

French

Good understanding of written and spoken language,
three years of working experience in France and Switzerland

German

Good understanding of written and spoken language.
working experience in Germany and Austria

RESEARCH AND PUBLICATIONS

Sciences

About 250 scientific publications on physics, mathematics,
computer sciences, energy research and technology

Computers
Energy

Leading edge software systems over 30 years
Workshop on Alternative Energy Systems. MIT. USA
Energy in a Finite World, IIASA

World Energy Conference, several studies
Several national energy studies on Finland

Environment
Economics
Management
Research and
Development

Chairman of several Finnish Committees
Finnish Carbon Dioxide Committee I and II. Chairman
Director of economic policy management programs
Chairman of Finnish Institute of Management
Large number of articles and lectures on international and
national science, research and development policies



WORKING EXPERIENCE

SITRA 1986-1995

- Organization* Reorganization of SITRA, the Finnish National Fund for Research and Development, into a competitive international research and funding agency directly under the Parliament.
- Resources* The balance of SITRA has increased from 400 MFmk to about 1500 MFmk (300 MEcu) in last three years. The annual surplus has been 200-300 MFmk in 1993-1994.
- Technology transfer* SITRA has built in recent years national and international networks for technology transfer, which analyzes hundreds of science programs annually. In addition a large number of corporate spin-off projects are evaluated. SITRA has served as the chairman of the global National Research and Development Organizations.
- Technology companies* About 70 technology companies have been established in recent years with domestic and international industrial and financial partners. Several companies have been successfully launched on stock markets.
- Venture funds* SITRA has built a network of domestic and international venture capital funds to finance Finnish technology and growth companies, as well as those neighbouring areas. SITRA has served as the chairman of the European Venture Capital Organization.
- Economics and integration* SITRA conducts major studies in Finland on the economic development, technology assessment, industrial strategies, social policies, global changes and national strategies.
- Management programs* Management programs in economic policies for members of the Parliament and other decision makers.
Programs in national strategies for top-level civil servants.
Programs in advanced economic topics.
Programs on European integration.
- Recent books* Finland and possible worlds - scenarios for Finland 1995.
Competitive industrial clusters, Porter-analysis of Finland, 95.
Global economy and Finland, 1995.
New industrial Finland, 1995.
Monetary integration in Europe, 1995.
Real estate economy in Finland, 1994.
National economy 2017, 1992
Social policies 2017, 1992.



HELSINKI UNIVERSITY OF TECHNOLOGY 1972-1986

Dean Department of technical physics covering computer sciences, energy systems, materials sciences, medical physics and lasers. Chairman of several committees.

Professor Energy studies, including nuclear fission and fusion, solar energy, energy systems and energy economics.

Research Director of several research programs. Chairman and organizer of several international conferences.

Theses Directed about 20 doctoral degrees, 40 licenciate degrees and 90 diploma thesis.

CERN, GENEVA, SWITZERLAND 1970-1972

Visiting Scientist Scientist in the design, simulation models and construction of the Intersecting Storage Rings and the Super Proton Synchrotron which were successfully completed. Currently Chairman of the High Energy Institute of Finland and the Finnish member of the CERN Council.

UNIVERSITY OF CALIFORNIA, BERKELEY, USA 1964-1970

Scientist Graduate School of University of California, Berkeley and Lawrence Berkeley Laboratory. Scientific work in nuclear and particle physics, computer science, mathematics and energy systems in collaboration with world known scientists.

INTERNATIONAL FUNCTIONS

CERN Council member for Finland, Geneva, Switzerland
France Association Franco-Finlandaise pour la Science et Technologie, Vice President

ILASA Energy in a Finite World project
Japan Finnish-Japanese Technology Society, Chairman 1992
NRDO National Research and Development Organizations
Chairman 1991-1992

Russia Finnish-Russian Science and Technology Commission
United Nations Peru, Irak, Syria; development programs
USA Workshop on Alternative Energy Strategies, MIT
Fibrogen Inc, Sunnyvale, California, Biotechnology Board



DOMESTIC FUNCTIONS

- Academies** Finnish Academy of Technology, Chairman 1987-1993
- Culture** Finnish Cultural Foundation, Chairman 1979-1994
The largest private foundation in Finland
- Economic policy** Economic Policy Management Program, Director 1986-
- Energy** Energy Research Committee, Chairman, 1993
Nuclear Energy Commission, Chairman 1982-1988
- Environment** Carbon Dioxide Committee, Chairman, 1990-1993
International Evaluation of Climatic Change Research in Finland, Chairman 1993
- Management** Finnish Institute of Management, Chairman
Leading Finnish management institute, Helsinki, Brussels
- Physics** Finnish Physical Society, Chairman, 1977
High Energy Physics Institute, Chairman 1993-
- Popular Science** Science 2000, Editorial Board, Chairman 1985-1988
Academy of Television III, Chairman 1994-
- Student unions** Helsinki University of Technology, Chairman 1963
Student Union of Finland, International Vice President 1964
- Technology** Technical Research Centre of Finland, Council 1988-1994
Technology Development Centre, Finland, Board 1986-

CORPORATE FUNCTIONS

- Industry** Repola Corporation, Chairman of Supervisory Board 1991-1992, Board 1993-, the largest industrial corporation in Finland with about 30000 employees and world wide operations
- Electronics** Nokia Corporation, Auditor 1993-1995, the largest electronics company in Finland with about 30000 employees
- Publishing** Werner Soderstrom Company, Supervisory board, the leading publishing company in Finland
- Sports** Amer Group, Supervisory Board, world wide sports equipment including Wilson and Atomic
- Food and Pharmaceuticals** Huhtamaki Corporation, Supervisory Board, world wide operations including Leaf, Polarpak and Leiras
- Technology** Innopoli, Board, the leading science park
Board Chairman or member of several SITRA financed technology companies.



Bruxelles, le 19 juillet 1995

NOTE BIO AUX BUREAUX NATIONAUX
cc. aux Membres du Service du Porte-Parole

The Commission announced three nominations

The Commission today decided on the following nominations :

- Mr. Jorma Routti (Finnish) for Director-General of DG XII; Science, Research and Development (A1 post);
- Mr. Heinz Zourek (Austrian) for deputy Director-General of DG XV; Internal Market and Financial Services (A1 post);
- Mr. Magnus Lemmel (Swedish) for deputy Director-General of DG III; Industry (A1 post).

The curriculum vitae are available in Mrs Maj-Lis Tanner's office - Brey 6/18

Amitiés,

N. van der Pas

