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EUROPEAN CONFERENCE ON THE USE OF ISOTOPE AND RADIATION IN  
THE BUILDING INDUSTRY TO BE HELD IN BRUSSELS AT THE END OF OCTOBER

WASHINGTON, D.C., June 18 -- The Eurisotop Office of the European Communities Commission has set the date of a conference on "Radiation and Isotope Techniques in the Building Industry" to be held in Brussels, Belgium, for October 28-29, 1970.

The conference has been organized to provide industrial circles with a comprehensive outline of the potential applications of nuclear techniques, as well as an up-to-date view of the latest developments in the field of applied research. Industrial applications of radiations and isotopes are increasingly widespread and have become an effective and flexible means of solving industrial problems.

In view of the specific nature of these techniques and the need for more applied research in the building sector, the Commission decided that a conference organized on a sector-by-sector basis was needed. The building industry covers a wide range of industrial sectors ranging from the basic industry (cement, metal manufacture, plastics, glass, wood, ceramics) to the building industry proper. Recent developments have opened up new horizons in materials testing (density and humidity measurement by

radiometry, reinforced and prestressed concrete gammagraphy, activation analysis) and in surveillance of industrial processes (radioactive or activable tracer elements), as well as in product improvement and the manufacture of new products (modification of plastics and production of wood plastics by irradiation).

Final Dates for Abstracts and Papers.

The final date for proposals to be submitted is July 15. A 200-word abstract of the papers to be given must be received by this date, and the complete texts must arrive September 1, 1970. Papers should relate in particular to applications already at the industrial state and recent results of applied research. The papers should try to give a comprehensive picture of the methods applicable to the solution of a particular problem.

Persons wishing to attend the conference should complete the enclosed form and return it as soon as possible to:

EURISOTOP Office  
Commission of the European Communities  
200, rue de la Loi  
B-1040 Brussels, Belgium

The official languages of the conference will be Dutch, English, French, German, and Italian.

Conference Subjects

Following is a list of the fields of application, application techniques, and aims which will be discussed at the conference:

Fields of Application. Hydraulic engineering: coastal protection, water supply, sewage disposal, irrigation and drainage, canal construction, river engineering, dike construction, hydroelectric plants.

Traffic engineering: road construction, railway construction, bridge-building, tunnel construction, waterways, ports, airport installations, signaling systems, materials haulage.

Civil engineering: soil assessment, surveying, foundation engineering, tunneling, soil mechanics, ground water.

Building construction: house and apartment building, technical finishing operations.

Interior construction work: flooring, wall-facing, furniture, heating and ventilation, sanitary installations, internal transport, lighting.

Industrial construction: power stations, industrial water, plant construction, emission of dust, gas and chemicals, plant installations, laboratory construction.

Utilities: energy and materials supply, pipeline construction.

Maintenance of buildings: protection of buildings and plants, emergency installations, detection of defects.

Building materials: prefabricated units, sand, concrete, timber, plastics, metals, ceramic materials.

Application Techniques: radiometry and radiography with radioactive and high-energy radiations and with laser beams; tracer techniques with radioactive and stable isotopes; irradiation techniques with radioactive and electromechanically produced high-energy radiations; radiochemical techniques; conversion of radiation energy into other forms of energy that are of use in the building industry, e.g., light, heat and electricity.

Ultimate Aims: rationalization and optimization of technical methods and manufacturing processes; diagnosis and surveillance of technical and natural processes; analysis, testing and measurement of building and miscellaneous materials and of other factors of importance in construction engineering; improvement of building materials, construction elements, domestic comfort, hygiene and protection of the public.