

TRACER 3. International Conference on Tracers and Tracing Methods 22-24 June 2004, Ciechocinek, Poland

An international conference TRACER 3 was held in Poland at Ciechocinek, 22–24 June 2004. The conference was organized by the Institute of Nuclear Chemistry and Technology (INCT), Warsaw, Faculty of Process and Chemical Engineering, Warsaw University of Technology in cooperation with International Atomic Energy Agency (IAEA), Vienna and Laboratoire des Sciences du Génie Chimique CNRS-Nancy, France.

The TRACER 3 Conference was a continuation of former TRACER 1 (1998) and TRACER 2 (2001) Conferences organized by CNRS-Nancy in France. The objective of this 3rd Conference was presentation of different aspects of tracer method applications and development of tracer method methodology. The new field of activity presented at the Conference was the application of stable isotopes as natural tracers for investigations of environmental processes. The Conference gave the possibility for scientific information exchange between specialists from different fields of activity such as chemical engineering, chemistry, bioengineering, environmental engineering, hydrology, civil engineering, metallurgy, etc.

The presentations were divided into groups of the principal items of Conference:

A. Fundamental development

- RTD and tracer methodology

- RTD methodology and Computational Fluid Dynamics (CFD)
- new tracers and detectors.

B. Industrial applications

- environment
- geology, hydrology and oil field applications
- civil engineering, mineral engineering and metallurgy applications
- food engineering and bio-engineering
- material engineering
- chemical engineering.

36 oral presentations (including 5 plenary lectures) were delivered in 9 sessions. Additionally, during the one session 13 posters were presented.

46 persons from 12 countries (Brazil, Czech Republic, Cuba, France, Germany, Holland, Korea, Norway, Pakistan, Poland, South Africa, USA) and representatives of IAEA participated at the conference.

During the conference, a round table meeting was organized. A programme for the next conference was proposed which included the application of tracer methods for studying biological processes. It was decided that the next TRACER 4 Conference will held in Grenoble, France, 2006.

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Chairman of the Organizing Committee*