

## Preface

### 1. INTRODUCTION

The 6<sup>th</sup> International Conference on Tracers and Tracing Methods (TRACER 6) was arranged in Oslo, 6–8 June 2011. The conference was organized by Institute for Energy Technology (IFE), located at Kjeller in Norway. The internet sites for TRACER 6 and IFE can be found at [www.tracer6.com](http://www.tracer6.com) and [www.ife.no](http://www.ife.no), respectively.

43 abstracts were submitted to the conference, 37 technical presentations (including 6 posters) were given and 46 persons participated on the conference. Everyone that submitted an abstract was invited to submit a manuscript for publication in EPJ Web of Conferences, with peer review. The accepted manuscripts are presented in this volume of EPJ Web of Conferences. The manuscripts are sorted into five themes:

- Process equipment.
- Petroleum and geothermal reservoirs.
- Basic theory and simulation tools.
- Environment.
- New tracers and detection methods.

### 2. CONFERENCES ON TRACERS AND TRACING METHODS

TRACER 6 was a conference in a series of conferences on Tracers and Tracing Methods. The primary objective of the conferences is to present the current status and trends on tracing methods and their applications. The target participants are scientists and engineers from various areas of research and industry.

The conference series started with a national conference in France in 1998, but all the conferences since 1998 have been international conferences. A list of the conferences is given below.

- The 1<sup>st</sup> Conference on Tracers and Tracing Methods (TRACER 1), Nancy, France, 3–4 November 1998. The main organizer was former Laboratoire des Sciences du Genie Chimique (LSGC), which became Laboratoire Réaction et Génie des Procédés (LRGP) in 2010, Nancy, France.
- The 2<sup>nd</sup> International Conference on Tracers and Tracing Methods (TRACER 2), Nancy, France, 29–31 May 2001. The main organizer was former Laboratoire des Sciences du Genie Chimique (LSGC), which became Laboratoire Réaction et Génie des Procédés (LRGP) in 2010, Nancy, France.
- The 3<sup>rd</sup> International Conference on Tracers and Tracing Methods (TRACER 3), Ciechocinek, Poland, 22–24 June 2004. The main organizer was Warsaw University of Technology.
- The 4<sup>th</sup> International Conference on Tracers and Tracing Methods (TRACER 4), Autrans, France, 3–5 October 2006. The main organizer was Commissariat à l’Energie Atomique (CEA), Grenoble, France.
- The 5<sup>th</sup> International Conference on Tracers and Tracing Methods (TRACER 5), Tiradentes, Brazil, 2–6 November 2008. The main organizer was Centro de Desenvolvimento da Tecnologia Nuclear (CDTN), Belo Horizonte, Brazil.
- The 6<sup>th</sup> International Conference on Tracers and Tracing Methods (TRACER 6), Oslo, Norway, 6–8 June 2011. The main organizer was Institute for Energy Technology (IFE), Kjeller, Norway.

The next conference in the series, TRACER 7, will be arranged in Marrakech (Morocco), 13–15 October 2014.

### 3. ORGANISATION OF THE CONFERENCES

A Permanent Scientific Committee is responsible for the conference series. It was composed of seven persons, including the initiator of the conference series and a representative from IAEA.

For each conference, the Permanent Scientific Committee nominates a host country and a chairman for the conference. The chairman composes a Local Organizing Committee, which will be the main organizer of the conference.

Assisted by the Permanent Scientific Committee, the chairman of the Local Organizing Committee composes an International Scientific Committee, which may support the Local Organizing Committee.

The different committees are given below.

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**Permanent Scientific Committee**

Tor Bjørnstad, IFE, Kjeller, Norway  
Milorad Dudukovic, Washington University in St. Louis, St. Louis, USA  
Joon-Ha Jin, IAEA, Vienna, Austria  
Iqbal Hussain Khan, PINSTECH, Islamabad, Pakistan  
Jean-Pierre Leclerc, LSGC-CNRS-ENSIC, Nancy Cedex, France  
Jorge Menacho, De Re Metallica Ingenieria Ltda., Santiago, Chile  
Rubens Martins Moreira, CDTN, Belo Horizonte, Brazil

**Local Organizing Committee (TRACER 6)**

Tor Bjørnstad (Conference chair)  
Ragnhild M. Engen (Conference secretary)  
Are Haugan (Technical program, abstracts and papers)  
Kjersti Jevanord (Ad-hoc responsibilities)  
Tom Pedersen (Economy and internet site)  
Lisbeth Rydning (Conference secretary)

**International Scientific Committee (TRACER 6)**

Zainal Abidin, National Nuclear Energy Agency (BATAN), Jakarta, Indonesia  
Jerzy Baldyga, Warsaw University of Technology, Warsaw, Poland  
Patric Brisset, CEA, Gif-sur-Yvette Cedex, France  
Celine Frochot, LRGP-CNRS-ENSIC, Nancy Cedex, France  
Andries E. Hills, NESCA, Pretoria, South Africa  
Faical Larachi, Université Laval, Sainte-Foy, Canada  
Hector Constant-Machado, Universidad Central de Venezuela, Caracas, Venezuela  
Eduardo G. Maggio, NOLDOR S.R.L., Buenos Aires, Argentina  
Fridtjof Nyhavn, RESMAN AS, Trondheim, Norway  
Harish Jagat Pant, BARC, Mumbai, India  
Jorge Isaias Borroto Portela, AENTA-InSTEC, Havana, Cuba  
Nguyen Huu Quang, CANTI, Lamdong, Vietnam  
Peter Rose, University of Utah, Salt Lake City, USA  
Zdislaw Stegowski, AGH-University of Science and Technology, Krakow, Poland  
Jovan Thereska, Vienna, Austria

The internet site for the conference series, Tracers and Tracing Methods, can be found at [www.tracers-conferences.com](http://www.tracers-conferences.com).

Oslo, 2 April 2013  
Are Haugan (Editor)