
Announcement

GLS'99
4th International Conference on
Gas-Liquid and Gas-Liquid-Solid Reactor Engineering
Delft, The Netherlands
23-25 August 1999

After the preceding venues in this series of conferences in Columbus (USA, 1992), Cambridge (UK, 1995) and Kanagawa (Japan 1997), this 4th Conference will be held in Delft (The Netherlands). It is being organized by the 'Kramers Laboratorium voor Fysische Technologie' of Delft University of Technology, and marks the 50th Anniversary of this Laboratorium. The Technological Institute of the Royal Flemish Society of Engineers is taking care of the practical organization.

Scope of the Conference

The Aim of this series of Conferences is to bring together scientists and engineers working in the fields of gas-liquid and gas-liquid-solid reactor engineering, and to report on the progress made over the years in understanding the fundamentals of multiphase contacting and in improving the performance and the safe and efficient operation of multiphase reactors.

In this 4th Conference, it is hoped that the emphasis will be on improved modelling and numerical simulations, and on sophisticated (preferably non-intrusive) measuring techniques and measurements, which all throw light on local flow, transport, and reaction phenomena in reactors. The intention is to expand into the field of Bioprocess Technology as well.

Like the preceding events of this series, the Conference will take three days of oral presentations, in two parallel sessions, and poster events. Orals and posters will be rated equally. All accepted presentations may be accompanied by 8-page papers in the Proceedings. Each poster may be introduced briefly in a poster parade with the help of one or two transparencies. Three or four keynote lectures are envisaged.

In addition, papers from industry are solicited, with a view to the separate session on industrial experiences; such papers may not be eligible for inclusion into the Proceedings. Hence, professionals in industry are encouraged to present orals on successes (or failures) in scale-up design, operation, debottlenecking of plants, etcetera.

Topics

Sessions of oral presentations are foreseen on the following topics:

1. Mechanics of Fluids, Particles, Bubbles
2. Computational Fluid Dynamics
3. Advanced Experimental Techniques and Results
4. Modelling of Complex Reactors
5. Heat and Mass Transfer in Reactors
6. Chaotic Features and Advanced Control
7. Novel Reactor Designs
8. Catalytic Reactors and Particulate Processing
9. Bubble Column Reactors & Fermentors
10. Aerated Slurry Reactors including Bioreactors
11. Packed and Trickle Beds
12. Three-Phase Fluidization

For further information please contact:

4th International Conference GLS'99
c/o Technological Institute vzw
Desguinlei 214, B-2018 Antwerpen
Belgium

Tel.: + 32 3 216 09 96

Fax: + 32 3 216 06 89

E-mail: gas@conferences.ti.kviv.be

Web page: <http://www.ti.kviv.be/conf/gas.htm>

Announcement

ISMR-1
1st International Symposium on Multifunctional Reactors
Amsterdam, The Netherlands
25–28 April 1999

Background

In recent years a constantly growing scientific interest is observed in the field of multifunctional reactors. It is expected that at the dawn of the next millennium those novel reactor types will lead to more compact, more efficient, safe and environment-friendly sustainable technologies. Examples are reactive distillation and membrane reactors. The former is already commercial and the latter has been demonstrated at bench-scale. Many more ideas materialize, for instance reactors combining reaction and adsorption, reaction and chromatography. The whole field is fascinating. In order to meet the growing scientific interest as well as industrial expectations, the Working Party on Chemical Engineering in Applications of Catalysis of the European Federation of Chemical Engineering together with the Working Party on Chemical Reaction Engineering have undertaken the initiative to organize the first international symposium dedicated to multifunctional reactors. The event is hosted by the Royal Institution of Engineers in the Netherlands, the Royal Netherlands Chemical Society and the Netherlands Association of Engineers, and is co-sponsored by the European Chemical Industry Council (CEFIC) and its SUSTECH initiative (Collaborative Research and Development in Sustainable Technologies for the Process Industries).

Scope

The aim of the symposium is to bring together both academics and industrialists who take interest in the field of multifunctional reactors, i.e. reactors which, alongside chemical reaction (and for the sake of it) integrate at least one more operation that conventionally would have to be performed in a separate apparatus (e.g. separations, heat transfer, etc.). The novelty aspect will be one of the most important factors considered during the paper selection procedure.

For further information please contact:

ISMR-1 c/o KIVI
PO Box 30424
2500 GK The Hague
The Netherlands

Tel.: (+31) 70 3919890

Fax: (+31) 70 3919840

E-mail: congres@kivi.nl

Information on the symposium is also available on Internet:

<http://www.cpt.stm.tudelft.nl/ismr-1>