

Conference announcement

International Symposium on Chemical Reaction Engineering (ISCRE 22)

ISCRE 22

The 22nd International Symposium on Chemical Reaction Engineering (ISCRE 22) will be held in Maastricht, The Netherlands, from Sunday September 2 to Wednesday September 5, 2012. This symposium stands in a long tradition that dates back to 1957 when the first symposium was held in Amsterdam in the Netherlands. Since 1970, ISCRE went back and forth between Europe and the United States with a 2-year schedule. It was in 2002 that for the first time ISCRE was organized in the Asia-Pacific region.

Since its foundation more than 50 years ago, ISCRE continues to play an important role in the development of the fundamentals of the chemical reaction engineering sciences. Over the years, other symposia, conferences and congresses covering subareas have split off; however, ISCRE is still recognized as the main symposium in the field and attracts many participants from all over the world.

Application orientation

Traditionally, the field of chemical reaction engineering is very much application-oriented and plays a key role in many areas in society, most obviously in creating and securing a sustainable supply of energy, raw materials and feedstock, and in improving the worldwide condition of human health and quality of life. It is for that reason that the symposium theme has been chosen as: “Chemical Reaction Engineering: the key to resource sustainability, human health, and quality of life”.

Sustainability

Sustainability was the main symposium theme of ISCRE 20 in 2008 in Kyoto, Japan, and it was also one of the important themes of ISCRE 21 in 2010 in Philadelphia, PA, USA. Resource sustainability is also one of the three sub-themes of ISCRE 22 as energy, raw materials and feedstock resources will remain increasingly scarce in the next decades. Novel technologies need to be developed for utilizing a range of alternative materials with the associated new processes, for example, for the production of chemicals from biomass feedstocks and for the use of renewable

and clean energy sources for electricity production and transportation.

Human health and quality of life

Next to “sustainability”, “human health” and “quality of life” were chosen as the other symposium sub-themes. Chemical reaction engineering can contribute significantly to the development of innovative systems in the field of controlled drug release, smart medical devices, diagnostics and analytics, and so on. It also plays a crucial role in improving air and water quality, emission reduction, development of new materials and new personal care products, and not to forget in improving safety and its impact on equipment and process design.

Program

The ISCRE 22 program includes the following number of contributions: 18 keynote lectures, 14 industrial frontiers lectures, 130 selected oral presentations and 380 poster presentations. Five renowned speakers have accepted to present a plenary lecture. The plenary speakers as well the keynote and industrial frontiers speakers are listed on the ISCRE 22 website (<http://www.iscre22.com>). With this program, ISCRE 22 will be an attractive platform for the exchange of knowledge, information and new ideas.

ISCRE used to be well-attended by representatives from many chemical companies and industries. By implementing special sessions for contributions from industry, we expect to be able to re-establish and continue that worthwhile tradition.

Location: beautiful Maastricht

The venue for ISCRE 22 is Maastricht, the most southern and one of the oldest cities of the Netherlands. Maastricht is a true European city, with a clear European culture and style, and with a rich European tradition. Its streets are full of reminders of its rich history, dating back to the periods that it served as a Roman post and as a medieval fortified city. Maastricht is situated in the beautiful region of South Limburg, on the river Meuse. On Monday evening, there will be a boat trip on the

river, and on Tuesday evening, a symposium dinner will be held in a beautiful, ancient underground limestone quarry in the South Limburg Hills. This will provide nice opportunities

for relaxing and for networking and meeting friends old and new.

For more information: <http://www.iscre22.com>.

