

24th International Symposium on Chemical Reaction Engineering

SPONSORSHIP & EXHIBITOR OPPORTUNITES

Foundations and Vistas of Chemical Reaction Engineering



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HYATT REGENCY MINNEAPOLIS | MINNEAPOLIS, MINNESOTA, USA | JUNE 12-15, 2016



International
Symposia on
Chemical
Reaction
Engineering

ISCRE24MPLS

Since 1957, the most important events for the international reaction engineering scientific community have been ISCRE conferences (International Symposia on Chemical Reaction Engineering). These conferences bring together for four days distinguished international researchers in reaction engineering, prominent industrial practitioners, and new researchers and students **only every six years in North America** to address the global challenges of chemical reaction engineering.

Sponsors at the 24th International Symposium on Chemical Reaction Engineering will interact with a diverse group of academic, industry, and government leaders who are shaping the future of chemical reaction engineering and associated topics. Benefits include:

- Access the exclusive attendee marketing, advertising, and sponsorship opportunities to promote your company and products dependent on reaction engineering
- Connect your brand with the world's largest professional reaction engineering organization
- Gain access to the international reaction engineering community
- Network with Fortune 500 companies and promising startups
- Renew and strengthen current partnerships
- Develop new contacts and networks

CONFERENCE DEMOGRAPHICS

Sponsors and exhibitors can expect that the 2016 ISCRE Conference will attract a highly qualified attendance. The 2010 North American ISCRE conference included close to 300 industrial practitioners, government professionals, and academics, who eagerly took advantage of the sponsor and exhibitor information that was available to them. About half of the participants came from the Americas, a third from Europe/Africa/Middle East and the remainder from Asia Pacific including:

INDUSTRY

Dow Chemical Company
 ExxonMobil Corporation
 Dupont Corporation
 Bristol-Myers Squibb
 Chevron Phillips
 UOP, A Honeywell Company
 CPFD – Computational
 Particle Fluid Dynamics
 Archer Daniels Midland (ADM)
 Praxair
 Exelus
 Industrial and Engineering
 Chemistry Research (I&EC)
 Velocys, Inc.
 Sabic

EDUCATION

Univ. of Massachusetts
 Univ. of Minnesota
 Univ. of Delaware
 Iowa State University
 Univ. of Wisconsin
 Univ. of Kansas, Lawrence
 Max Planck Institute
 Univ. of Magdeburg
 Univ. of Virginia
 Ohio State University
 Univ. of California Berkeley
 Purdue University
 University of Houston
 Princeton University
 Northwestern University
 Rensselaer Polytechnic
 Univ. of Western Ontario

GOVERNMENT

National Science Foundation
 U.S. Dept. of Energy
 Sandia National Laboratory

 Tufts University
 MIT
 Univ. Catholique de Louvain
 Washington Univ. St. Louis
 Graz Univ., Austria
 Ghent Univ. Belgium
 Hokkaido University
 Eindhoven Univ. of Tech.
 Univ. of Pittsburgh
 Univ. of Connecticut
 Univ. of Washington
 Univ. of Texas Austin
 Texas A&M Univ.

Sponsorship and Support Opportunities

	Platinum	Gold	Silver	Bronze
Fee	\$15,000	\$10,000	\$5,000	\$2,000
Company's name displayed on banner in registration area and on slide displayed during introductory remarks each morning	Yes	Yes	Yes	Yes
Company logo on the ISCRE 24 website (with live link), promotional materials, and related on-site program material and signage, including meeting room screen saver	Yes	Yes	Yes	Yes
One complimentary exhibit space (6' by 3' table top booth) with opportunity to provide items of publicity	Yes	Yes	Yes	
One plenary talk named for your company, with option for a company representative to introduce that plenary speaker	Yes	Yes		
Complimentary symposium registrations	3	2	1	
Named sponsor of 10 student travel awards (e.g., ABC Chemical Company Student Travel Award for ISCRE 24), with option to select and contact awarded students	Yes			

Plenary Speakers



Professor Enrique Iglesia
University of California – Berkeley
Chemical and Biomolecular Eng.



Professor Linda Broadbelt
Northwestern University
Chemical and Biological Engineering



Prof. Massimo Morbidelli
ETH Zurich
Institute for Chemical and Bioengineering



Dr. Martin Johnson
Eli Lilly and Company
Process Design and Development



Prof. Hidetaka Tobita
University of Fukui
Materials Science & Engineering

About the Conference

The 24th International Symposium for Chemical Reaction Engineering (ISCRE 24) will take place in Minneapolis, MN, on June 12-15, 2016. The scientific theme for ISCRE 24 is “**Foundations and Vistas in Chemical Reaction Engineering.**” Meeting the world’s demands for energy, food, water, and medicine – in a sustainable way, while protecting the environment – requires development of new technologies and advanced materials. The theme of this symposium aims to capture the essential role that chemical reaction engineering plays in addressing these challenges with both a focus on the fundamentals (foundations) and future directions (vistas).

Chemical reaction engineering (CRE) is the discipline that quantifies the interactions of transport phenomena and kinetics in relating reactor performance to operating conditions and feed variables. This quantification requires a thorough understanding of the nanoscale (molecular level of scrutiny), micro- to mesoscale (transport and kinetic events at a particle level), and macroscale (reactor design in the context of process and plant design). CRE develops general principles useful in approaching a variety of systems (chemical, biochemical, biological, materials, environmental, electrochemical, etc.) where engineering of reactions is needed.

Six plenary, twelve keynote, and over 100 oral session presentations along with about 100 posters will highlight key areas of CRE including:

- Catalytic Reaction Engineering
- Polymerization Reaction Engineering
- Biochemical Reaction Engineering
- Environmental Reaction Engineering
- Electrochemical and Photochemical Reaction Engineering
- Reaction Engineering of Novel Functional Materials
- Modeling, Design, Control, & Optimization of Chemical Reactors
- Computational Chemistry & Catalysis
- Gas Phase Reactions
- Reactions in Condensed Media
- Mixing, Mass Transfer, and Reactor Scale-Up
- Industrial Frontiers
- Novel Reactors and Process Intensification
- Hydrogen Production and Utilization
- Bio-derived Chemicals and Fuels
- Gas Processing

About the Location – Minneapolis, USA

Minneapolis, USA, is the largest city of Minnesota and twin city to St. Paul, the capital of the state. With a metropolitan population of over 2.5 million residents, the city provides a variety of urban activities including night clubs, shopping, sporting & artistic events. Resting on the banks of the Mississippi River, Minneapolis is abundantly rich in water containing over 20 lakes and providing numerous outdoor activities in summer. The month of June is particularly comfortable, with an average high temperature of 78 °F (26 °C).



ISCRE 24 will be held at the Hyatt Regency Minneapolis, in downtown Minneapolis, USA. Located at 1300 Nicollet Mall, the Hyatt is within walking distance to over 50 dining and nightlife locations. Light rail within walking distance of the Hyatt also allows for easy access to the Minneapolis-St. Paul (MSP) airport, the University of Minnesota, the Mall of America, and downtown St. Paul, MN, USA.

Minneapolis: www.visit-twincities.org
 Hyatt: minneapolis.hyatt.com

History of ISCRE

Chemical Reaction Engineering (CRE) first arose as a discipline to meet the needs of the rapidly growing petroleum, petrochemical, and chemical industries in the 1940s and 1950s. Perhaps the most important events for the international CRE scientific community have been the International Symposia on Chemical Reaction Engineering, which were initiated at the first meeting in Amsterdam in 1957. The location of these meetings alternated between Europe and North America until ISCRE 17, which was held in Hong Kong in August 2002. These conferences bring together, for four days, distinguished international researchers in reaction engineering, prominent industrial practitioners, and new researchers and students of this multifaceted field. These conferences are a unique gathering for reaction engineers where research gains are consolidated and new frontiers explored. The state of the art of various sub-disciplines of reaction engineering is reviewed in a timely manner, and new research initiatives are discussed.



International
Symposia on
Chemical
Reaction
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Year	Conference	Location	
1970	ISCRE-1	Washington	USA
1974	ISCRE-3	Evanston	USA
1978	ISCRE-5	Houston	USA
1982	ISCRE-7	Boston	USA
1986	ISCRE-9	Philadelphia	USA
1990	ISCRE-11	Toronto	CAN
1994	ISCRE-13	Baltimore	USA
1998	ISCRE-15	Newport Beach	USA
2004	ISCRE-18	Chicago	USA
2010	ISCRE-21	Philadelphia	USA
2016	ISCRE-24	Minneapolis	USA

Following the ISCRE 17 meeting in Hong Kong, it was proposed that future ISCRE meetings be held every two years, rotating among sites in North America, Europe, and the Asia-Pacific region, on a six-year cycle. In October 2002, this proposal was adopted. In North America, the ISCRE meeting (ISCRE 18) was held in Chicago, IL, in 2004. ISCRE 19 was held in 2006 in Potsdam, Germany, and ISCRE 20 in 2008 in Kyoto, Japan. ISCRE 21 was held in Philadelphia, USA, on June 13-16, 2010. The next ISCRE meeting will be held in Minneapolis, USA, on June 12-15, 2016. Thus, the newly adopted rotation of venues makes the ISCRE meetings truly international in character.

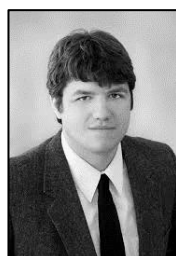
Symposium Organizers & Contacts



Dr. Dan Hickman

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The Dow Chemical Company

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Professor Paul Dauenhauer

University of Minnesota
Chemical Eng. and Materials Science

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Professor Aditya Bhan

University of Minnesota
Chemical Eng. and Materials Sci.

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Dr. Kurt VandenBussche

R&D Director
UOP, A Honeywell Company

President of ISCRE
Kurt.VandenBussche@honeywell.com

Sponsorship Application

24th International Symposium on Chemical Reaction Engineering ▪ June 12 – 15, 2016
 Hyatt Regency Minneapolis ▪ Minneapolis, Minnesota, USA

MAIL or EMAIL COMPLETED FORM TO:
 Dr. Dan Hickman, Chair of ISCRE 24
 DAHickman@dow.com. Address. Dan Hickman, Dow Chemical Company, 1776 Building, Midland, MI 48674

CONTACT INFORMATION

COMPANY NAME: _____

CONTACT PERSON: _____ TITLE: _____

ADDRESS: _____

CITY: _____ STATE/PROVINCE: _____

POST/ZIP CODE: _____ COUNTRY: _____

TELEPHONE: _____ FAX: _____

EMAIL: _____

SPONSORSHIP

We will participate by reserving the following:

- Platinum Level - \$15,000
 Plenary Introduction: YES NO
- Gold Level - \$10,000
 Plenary Introduction: YES NO
- Silver Level - \$5,000
- Bronze Level - \$2,000
- Other (Minimum \$2,000) \$ _____

SPONSORSHIP PAYMENT LOGISTICS

Your organization will be invoiced by ISCRE for the sponsorship level selected above. All contributions to ISCRE are tax deductible. ISCRE is designated a tax exempt organization as defined in Section 501(c)(3).

LOGO SUBMISSION

Please submit a file with corporate logo in both .EPS and .JPG files in grayscale (for print use) and in color (for online and on-site signage use) to be sent to DAHickman@dow.com at time of application. Sponsorship Application must be accompanied by payment in full.

AGREEMENT

The individual signing this contract is an authorized representative of the company with the full power and authority to sign and deliver this agreement. A signature on this application indicates understanding and agreement to comply with all policies, terms, and conditions.

SIGNATURE: _____

PRINT NAME: _____

TITLE: _____

DATE: _____