

5th North American Symposium on Chemical Reaction Engineering

SPONSORSHIP OPPORTUNITES

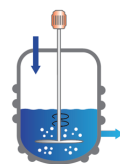
Breaking Barriers for a Sustainable Future



WESTIN GALLERIA | HOUSTON, TX | FEBRUARY 16-19, 2025



ISCRE



NASCRES⁵
2025 HOUSTON

Since 1957, the most important events for the international reaction engineering scientific community have been the ISCRE (International Symposia on Chemical Reaction Engineering) and NASCRE (North American Symposia on Chemical Reaction Engineering) meetings. The NASCRE conferences bring together distinguished researchers, prominent industrial practitioners, and new students and postdoctoral associates **once every six years** in North America to discuss latest advances and global challenges in chemical reaction engineering.

Sponsors at the 5th North American 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:

- Accessing the exclusive attendee marketing, advertising, and sponsorship opportunities to promote your company and products dependent on reaction engineering
- Connecting your brand with the world's largest professional reaction engineering organization
- Gaining access to the international reaction engineering community
- Networking with Fortune 500 companies and promising startups
- Renewing and strengthening current partnerships
- Developing new contacts and networks

Conference Demographics

Sponsors can expect that NASCRE-5 will attract a highly qualified attendance. We expect to host more than 350 industrial practitioners, government professionals, and academics. We also expect significant participation from Europe/Africa/Middle East and the Asia Pacific. Participants in recent NASCRE/ISCRE meetings have included:

INDUSTRY

3M
 AbbVie
 BP
 Cargill
 Chemours
 Dow Chemical Company
 DuPont Corporation
 Eli Lilly
 ExxonMobil Corporation
 Haldor Topsoe
 Honeywell UOP
 IFP Energies Nouvelles
 Pfizer
 Praxair
 Procter & Gamble
 Merck
 SABIC
 Shell

EDUCATION

Univ. of Minnesota
 Univ. of Delaware
 East China Univ Sci & Tech
 Univ. of Wisconsin
 Univ. of Kansas
 Max Planck Institute
 Technische Univ. München
 Univ. of California Berkeley
 Purdue University
 University of Houston
 Princeton University
 Northwestern University
 IIT Delhi
 Univ. of Western Ontario
 Missouri Univ. Sci. & Tech.
 Cambridge Univ.
 Worcester Polytechnic Inst.
 ETH Zürich

GOVERNMENT

National Science Foundation
 Chinese Academy of Sciences
 NREL
 Oak Ridge Nat'l Laboratory
 Sandia Nat'l Laboratory

 Karlsruhe Institute of Technology
 MIT
 Washington Univ. St. Louis
 FAU Erlangen
 Ghent University
 Eindhoven Univ. of Tech.
 Univ. of Pittsburgh
 Univ. of Connecticut
 Univ. Leeds
 Univ. of Washington
 Texas A&M University
 KAUST

Sponsorship and Support Opportunities

	Platinum	Gold	Silver	Bronze
Fee (\$ US)	\$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	✓	✓	✓	✓
Company logo on the NASCRE-5 website (with live link), promotional materials, and related on-site program material and signage, including meeting room screen saver	✓	✓	✓	✓
One plenary talk named by your company, with option for a company representative to introduce the plenary speaker	✓	✓		
Acknowledgement at Welcome Reception with signage, verbal recognition, and conference website mention	✓			
Recognition and signage at Poster Sessions and on website		✓		
Recognition and signage at Coffee Breaks and on website			✓	
Complimentary symposium registrations	3	2	1	

Plenary Speakers



Paul J. A. Kenis

Elio Eliakim Tarika Endowed Chair Professor
Univ. Illinois Urbana-Champaign
 Dept. Chemical & Biomolecular Eng.



Prof. Linda J. Broadbelt

Sarah Rebecca Roland Professor
Northwestern University
 Dept. Chemical & Biological Eng.



Dr. Shailendra Bordawekar

Vice President
AbbVie
 Small Molecule CMC Development

About the Conference

The 5th North American Symposium on Chemical Reaction Engineering (NASCRE-5) will be held February 16-19, 2025 at the Westin Galleria in Houston, TX. This is the latest in the flagship conference series for the chemical reaction engineering community worldwide, which since 1957 has brought together distinguished researchers, prominent industrial practitioners, and new researchers and students. Motivated by recent trends in industry and academe, the theme of the conference is "Breaking barriers for a Sustainable Future," which aims to emphasize the diversity of approaches and perspectives prevalent within the various sub-disciplines of chemical reaction engineering. The scientific program will include 3 plenary lectures, tens of keynote talks, and hundreds of oral and poster presentations. We expect approximately 350 registrants from North America and around the world including students, postdoctoral scientists, faculty, and industrial researchers.

Chemical reaction engineering (CRE) is a discipline that quantifies interactions of transport phenomena and kinetics in relating reactor performance to operating conditions and feed variables. This quantification requires a thorough understanding of nanoscale (i.e. molecular level of scrutiny), micro- to mesoscale

(i.e. transport and kinetic analysis at a particle level), and macroscale (reactor design and analysis in the context of process and plant design). CRE develops general principles useful in approaching a variety of systems – chemical, biochemical, biological, environmental materials, electrochemical, among others – where engineering of reactions is needed.

The conference will include plenary, keynote, and oral presentations along with many posters that highlight key areas of CRE including:

- CO₂ Capture and Valorization
- Biomass Conversion
- Polymer Reaction Engineering
- Polymer Upcycling
- Reaction Engineering for Materials Synthesis
- Computational Fluid Dynamics
- Digitalization of Reaction Engineering
- Computational Chemistry
- Fundamentals of Reaction Engineering
- Multiphase Reactor Engineering
- Electrification of Chemical Reactors
- Novel Reactors and Process Intensification
- Hydrogen Production and Utilization
- Biopharmaceutical Reaction Engineering
- Reaction Engineering for Materials Synthesis

About the Conference Location

NASCRE-5 will be held at the Westin Galleria in Houston, TX. The uptown Galleria area is the region's center for energy commerce, upscale shopping, and fine dining. Conference attendees will enjoy an interactive environment in which to exchange latest developments in chemical reaction engineering while enjoying the emergence of warmer weather along the Gulf Coast. The Westin Galleria boasts over 90,000

over 90,000 square feet of space, perfectly suited for both large-scale conventions and more intimate meeting. Please visit <https://2025.nascre.org/hotel.php> to reserve your accommodations.

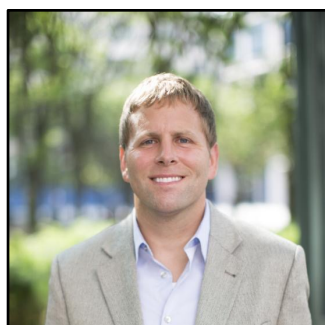


History of NASCRE

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, prominent industrial practitioners, and new researchers and students of the multifaceted field of reaction engineering. 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 are reviewed in a timely manner, and new research initiatives are discussed.

Beginning with the ISCRE 17 meeting in Hong Kong, ISCRE meetings were held every two years, rotating among sites in North America, Europe, and the Asia-Pacific region on a six-year cycle. In North America, the ISCRE meeting (ISCRE 18) was held in Chicago in 2004. ISCRE 19 was held in 2006 in Potsdam, Germany; ISCRE 20 in 2008 in Kyoto, Japan; ISCRE 21 in 2010 in Philadelphia, USA; ISCRE 22 in 2012 in Maastricht, the Netherlands; ISCRE 23 in 2014 in Bangkok, Thailand; ISCRE 24 in 2016 in Minneapolis, USA; ISCRE 25 in 2018 in Florence, Italy; ISCRE 26 in 2021 in Delhi, India; ISCRE 27 in 2023 Québec City, Canada; and ISCRE 28 in 2024 in Turku/Åbo, Finland. This current rotation of venues makes ISCRE meetings truly international in character. In an effort to address the fact that ISCRE meetings are held in North America only once every 6 years, the NASCRE meetings were instated to be held on a 6-year cycle separated from the North American ISCRE meetings by three years. For example, NASCRE-4 was held in 2019, and NASCRE-5 is to be held in 2025.

NASCRE-5 Organizers & Contacts



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