

Sustainable Engineering Forum (SEF)

SEF seeks collaborative work in programming and education objectives with other professional societies, both national and foreign. Specific focus areas of the Forum include: Using appropriate metrics for sustainability, developing approaches for designing products and processes that can be optimized to desired metrics criteria and that incorporate environmental and societal benefit factors, assessing impacts of resource use and social benefits of products, processes, and services. The SEF focuses on the design of new processes or products that are comparatively benign and also encourages discussion on socioeconomic measures such as emission trading, and development of educational materials related to the field.

Transport and Energy Processes Division (TEP)

The TEP Division conducts meetings and conferences that provide opportunities for engineers and scientists to exchange ideas, experiences and evaluations concerning the broad field of heat transfer. This Division also programs the Institute's activities as well as with other societies connected to the field.

Each of AIChE's Divisions and Forums

is focused on a technical area of special interest to chemical engineers, from environmental to nuclear engineering to sustainability. And each provides awards and recognition to outstanding chemical engineers in their area of expertise as well as technical sessions where you can meet new contacts, gain state-of-the-art information, share ideas, learn about new trends and build a lasting professional network.

Keep current on the latest advances in your area of interest— become a Division/Forum member TODAY by visiting www.aiche.org/DivisionsForums.

AIChE's Divisions and Forums...

Connect with Colleagues Who Share Your Specialty

**Expand your Network,
Become a Leader,
Stay Current and
Achieve Recognition**

To become a member of an AIChE Division and/or Forum, visit www.aiche.org/DivisionsForums or call AIChE's Customer Service Department at 1-800-242-4363 or 203-702-7660. Membership fees vary by Division/Forum.

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Catalysis and Reaction Engineering Division (CRE)

AIChE members with interests in catalysis, industrial and engineering chemistry, fuel chemistry and petroleum should join the CRE Division. In addition to developing the technical program for AIChE’s national meetings, the Division serves as an information exchange for knowledge of technical publications, computer programs, databases, catalysis and reaction engineering research centers, networks and programs.

Chemical Engineering and the Law (che&L)

ChE&L is a forum for the combined community of engineers and lawyers with an interest in issues involving both principles of chemical engineering and law and policy. ChE&L promotes interchange of ideas, concepts, know-how, and experiences among engineers, scientists, and lawyers interested in the technical, legal and policy aspects of chemical engineering and related fields, including patents or intellectual property, environmental issues and climate change, energy, litigation, risk management, product liability, worker safety, emergency response and licensing. Given the broad scope of related issues, this Forum would serve a variety of professional disciplines, including: chemical, environmental and civil engineers; scientists; consultants; and lawyers.

Computational Molecular Science & Engineering Forum (CoMSEF)

CoMSEF is a Forum for the combined community of engineers and scientists who are developing and applying molecularly based theories, modeling, and simulation. Its scope of technical interests includes chemical, biological, and materials processes and products. A key feature is joining molecularly based modeling with the other computational methodologies that are used in the chemical engineering sciences for research, development, operations, and education.

Computing & Systems Technology Division (CAST)

The CAST Division provides relevant programs for members who share interests in computing and systems technology, especially in the analysis, design, and control of process and management systems. Division meetings, seminars, courses and publications serve as communication exchanges for non-confidential information concerning all facets of, Mathematics, Management Science, Computers, Control and Systems. CAST also emphasizes the need for consideration of the above disciplines in the general practice of chemical engineering, and encourages their use in research, development, design, and operation of process and management systems.

Education Division (EDU)

The Education Division promotes the growth of chemical engineers as it pertains to educational research, scholarly teaching, and applications. EDU provides a focal point for members with interests in educational methods and their assessment, the scholarship of education (practice and theory) and outreach activities regarding chemical engineering education. EDU encourages educators to strengthen their own learning in the field of engineering education and on the development of appropriate curricular material focused on the ever-diversifying field of chemical engineering.

Environmental Division (ENV)

The ENV Division provides relevant programs on current environmental topics and non-confidential information concerning all aspects of environmental activity. The Division promotes related paper publications in environmental activities and also coordinates the Institute’s activities with other related societies. For chemical engineers not actively engaged in the environmental field, ENV functions as a source of information. ENV’s purpose is to create a greater awareness of the environment and the need for its consideration in the design and operation of process plants, and to better understand opportunities for equipment research and design and processes that solve environmental problems. Membership in ENV includes a subscription to their publication – *Environmental Progress & Sustainable Energy*.

Food, Pharmaceutical & Bioengineering Division (FP&BE)

The FP&BE Division provides opportunities for engineers and scientists interested in the fields of food, pharmaceutical, and bioengineering to meet and to discuss topics of mutual concern. It also supplies technical publications and information in these fields, including papers at national AIChE meetings. In addition, the Division coordinates the Institute’s activities in the fields of food, pharmaceuticals, and bioengineering with the activities of other related societies. Further, the FP&BE encourages the focus of biological sciences in chemical engineering curricula and promotes the application of sanitary design principles for process equipment and installations.

Forest Bioproducts Division (FBP)

The Forest Bioproducts Division (FBP) promotes knowledge sharing and networking on topics dealing with products (materials, chemicals, and energy) obtained from forest resources and other lignocellulosic materials. Topics of interest include pulp and paper, forest products and associated industries, bio-based composites, biomass processing, biorefineries and a variety of other products and processes (excluding food and pharmaceuticals). The Division also coordinates the Institute’s activities with the activities of other societies in this field to help promote the exchange of ideas and experiences.

Fuels & Petrochemicals Division (F&P)

The F&P Division provides a forum for the exchange of information and ideas among chemical engineers engaged in all phases of fuels and petrochemicals activities. The Division coordinates activities through its own Ethylene Producers Subcommittee, as well as with other societies in the field. Each year, the F&P Division sponsors some 350 papers in nearly 70 technical sessions at AIChE national meetings, relating to the production, refining, utilization, and conversion of liquid, solid, and gaseous fuels; and in the manufacturing and sales of petrochemicals derived from these fuels. In essence, the F&P Division provides relevant leadership, assistance and expertise as suited to the Institute, industrial, education, and governmental groups.

Management Division (MGT)

The MGT Division provides a forum to discuss and present topics pertinent to Chemical Engineering management and entrepreneurial activities. It fosters peer recognition and good communication between engineers and management professionals by providing an opportunity for interaction between these groups. MGT programming at Institute meetings, and special management meetings, create an opportunity for interaction and communication. MGT helps promote the skills necessary for those chemical engineers who aspire to become managers. Further, the MGT Division educates the public and media about social issues affecting the chemical engineering profession and the chemical process industry.

Materials Engineering & Sciences Division (MESD)

The Materials Engineering and Sciences Division (MESD) was established to provide a focal point for engineers concerned with materials. MESD has organized and presented hundreds of technical symposia on a wide variety of materials topics at national AIChE meetings. Reflecting the interdisciplinary character of materials technology, many of these have involved co-sponsorship with other AIChE Divisions, as well as other technical societies. The Division has also been an active participant in the Federation of Materials Societies (FMS), a mechanism for focusing the collective strength of the nation’s materials-oriented technical societies on problems of national scope and importance.

Nanoscale Science Engineering Forum (NSEF)

NSEF provides a forum for communication and networking among engineers and scientists who share interests in research and technology development at the atomic, molecular or macromolecular levels. This also includes chemical, biological, and materials processes and products. NSEF coordinates and sponsors relevant programming, including crosscutting and special-initiative technical sessions and conferences that promote the exchange of ideas, concepts, know-how, and experiences in nanotechnology. Furthermore, the NSEF encourages educators at all levels, particularly in chemical engineering, to incorporate concepts of nanoscale sciences and engineering into their curriculum.

North American Mixing Forum (NAMF)

NAMF provides an open forum for chemical engineers in the field of interdisciplinary mixing technology, including academic and industrial researchers, consultants, equipment vendors, and others. This allows specialists in the area of fluid mechanics and mixing to communicate and exchange ideas. NAMF discusses a wide variety of industrial mixing topics such as liquid/liquid mixing, solid/liquid mixing, gas/liquid mixing, stirred tanks, motionless mixers, and high-shear mixing devices.

Nuclear Engineering Division (NE)

Members involved with the nuclear fuel cycle in industrial, research, educational, or government organizations should join the NE Division. The NE Division provides members, as well as the general public, factual information on nuclear energy. It informs members of achievements and challenges concerning the nuclear energy industry. NE also encourages the application of new technologies developed in the nuclear industry, and supports actions by AIChE in the field of nuclear energy.

Particle Technology Forum (PTF)

The PTF is an international and interdisciplinary forum that promotes information exchange, scholarship, research, and education in the field of particle technology — that branch of science and engineering dealing with the production, handling, modification, and use of a wide variety of particulate materials, both wet or dry, in sizes ranging from nanometers to centimeters. Particle technology spans a range of industries to include chemical, petrochemical, agricultural, food, pharmaceuticals, mineral processing, advanced materials, energy, and the environment. PTF meetings address science and engineering related to all types of particle technologies, wet or dry, reactive or non-reactive.

Process Development Division (PD)

The PD Division promotes networking and communication among engineers and scientists interested in process development through meetings, seminars, courses, and publications. In addition, the PD Division provides a forum for the engineer and educator to exchange information and ideas. This group also works closely with other Divisions and committees of AIChE in matters concerning process development. PD promote programming and presentations of process development topics including process research and innovation; scale-up; design, construction and operation of pilot plant or laboratory units; technology transfer; and optimization of manufacturing processes.

Safety & Health Division (S&H)

The S&H Division provides ways for chemical engineers and others to exchange information concerning all facets of safety and health. The Division acts as a source of information for chemical engineers not actively engaged in safety and health by alerting them to the importance of the field. S&H also addresses current issues affecting the field, and of the manufacture and use of chemicals. Membership in S&H includes a subscription to their publication – *Process Safety Progress*.

Separations Division (SEP)

SEP facilitates the collection, classification, and dissemination of separations technology information nationally and worldwide. SEP provides information on a variety of currently used and novel methods of separation for meeting technical programs. Division members exchange knowledge of technical publications, computer programs, databases, separation research centers, networks and programs. The group encourages chemical engineering educators to place emphasis on the field of separations and on the development of appropriate course materials through research, development, and application.