Industry Collegium of the Materials Processing Center @ MIT

The Industry Collegium of the Materials Processing Center provides a forum through which people from industry and MIT can work as partners in exploring and pursuing innovative materials processing research and development. The MPC Industry Collegium expands upon MIT’s traditionally close liaison with industry by providing a direct link between materials science, engineering and processing research at the university and the short-, medium- and long-term needs of your company.

Materials science research at MIT supported by MPC includes materials for communication, information, health, energy, environment and transportation technologies. Research areas are focused on nanomaterials and nanotechnology, mechanics, electronics, biotechnology combined with computational modeling and simulation. The interdisciplinary nature of materials science means researchers are not only affiliated with the Department of Materials Science and Engineering but also the Departments of Physics, Chemistry and Mathematics, and the Departments of Biological, Chemical, Aeronautical and Astronautical, Electrical, and Nuclear Engineering.

We invite your company to become a member of the Materials Processing Center Industry Collegium. As a Collegium member, your company will receive premium access to information via our website, periodic publications, invitations to workshops and symposia and opportunities for personnel exchanges. Membership entitles each organization to elect one representative (CTO or Director of Research), to serve and participate in the MPC External Advisory Board. Membership benefits also include the ability to investigate current research topics through the “Opportunity Brief” service, customized student internships, access to member only briefing materials, support for research staff visits on-campus and facilitation of corporate meetings and events.

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MEMBER BENEFITS

- Facilitation of on-campus meetings with faculty
- Access to Collegium member only briefing materials
- Representation on the MPC External Advisory Board
- Customized research opportunity briefs
- Facilitation of customized student internships
- Medium and long-term on-campus corporate staff visits
Collegium Member Benefits

1. Facilitation of on-campus meetings with faculty

The MPC serves as a facilitator between your organization and MIT faculty members. The MPC will facilitate one-on-one and small-group on-campus meetings with faculty identified as having research interests relevant to your organization’s interests. When appropriate, the MPC will also assist in the development of research collaborations between your organization and the members of the faculty and their students and staff.

2. Collegium member only online briefing materials

Collegium members will have premium access to member only content which is available on the MPC website. Included are special seminars, invited speaker presentations, audio and video presentations, and meeting reports.

3. Representation on the external advisory board

Board members provide insight into the critical challenges facing their industries where materials research plays a key role, and identify opportunities for the MPC to develop initiatives and programs. The Board meets a minimum of once annually, in coincidence with the MPC’s annual Materials Day symposium. Annual advisory board meetings feature overviews by senior faculty on new Institute initiatives and prospectus presentations by new faculty members to provide insight into their new research topics at MIT.

4. Customized research opportunity briefs

A unique benefit available only to Collegium members is the preparation of customized opportunity briefs which include detailed information about ongoing MIT research activity. Research topics of interest to your organization can be investigated by students or senior research staff under the guidance of MIT faculty.

5. Facilitation of customized student internships

Collegium members are encouraged to contact the MPC regarding their interest in student internships and research opportunities. Internships can be customized to solve your most immediate needs. Your membership will give you preferred access to MIT’s world-class students and staff while we handle the administrative details.

About MPC

The Materials Processing Center was established as an interdisciplinary center within MIT’s School of Engineering in response to a recognized national need to improve the materials processing knowledge base and streamline the process of translating materials research results into industrial innovations and applications. The Center’s basic philosophy focuses on uniting the materials research community at MIT by forming closer ties and collaborative research opportunities with industry.

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