



The University of Connecticut Institute of Materials Science Industrial Outreach



IMS ASSOCIATES PROGRAM ADVISING—EDUCATION—PROBLEM SOLVING

The Institute of Materials Science has a long history of providing assistance to industry through numerous joint research projects and its Associates Program. For over thirty years, the mission of the IMS Associates Program has been to supply companies with convenient access to the resources of the Institute of Materials Science for assistance with relatively short term projects in research and development, manufacturing and production. This opportunity has proven so valuable, many companies opt to become Associates Program members and forge a more intimate working relationship with the Institute. Such a close relationship affords each a better appreciation of the other's concerns. This works to mutual benefit in that it strengthens IMS academic programs and provides industry with unique opportunities for addressing materials-based needs in a timely manner. Industry members have an open invitation to IMS seminars, lectures and workshops, and receive updates highlighting faculty research and new capabilities.

The IMS Associates Program provides access to IMS resources to facilitate troubleshooting of raw materials; analysis of product and process difficulties; failure analysis; identification of contaminants; enhanced awareness of current research in materials science and technology and exploration of new analytical techniques. The Program can be used to conduct preliminary studies and/or brainstorming sessions to help define the feasibility of a new research platform or product prior to major funding commitment. In many instances, IMS resources provided companies with the expertise and instrumental capability to solve critical problems in product development and field failures.

Major research areas at the Institute of Materials Science encompass a very wide range of issues in Materials Science and Engineering, the Polymer Program and Condensed Matter Physics. Details of current research interests and general information about the Institute can be found at <http://www.ims.uconn.edu/>.

The Institute houses a multi-million dollar laboratory complex of shared instrumentation for materials characterization including electron microscopy; rheology; polymer processing; x-ray diffraction; thermal analysis; surface analysis; FTIR, Raman and UV-Vis spectroscopy; mechanical testing; high field characterization and NMR. See http://www.ims.uconn.edu/facilities/facilities_list.html.

More complete information about the IMS Associates Program along with a partial list of member companies can be found on our web page: <http://www.ims.uconn.edu/associate/associates.html>.

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