

Institute for Functional Materials and Devices (I-FMD)

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Directors:

Himanshu Jain, Director

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Overview:

The Institute for Functional Materials & Devices (I-FMD) (<https://ifmd.lehigh.edu/>) pursues innovative new materials and devices that underpin many of society's greatest challenges, from detecting and treating disease, to implementing large-scale renewable energy sources, to securing food and fresh water for all. I-FMD brings together Lehigh's interdisciplinary expertise in the synthesis, fabrication, processing, and materials characterization as applied to sensors, actuators, and other devices that have critical functionality across mechanical, electronic, photonic, and chemical domains.

In addition to promoting interdisciplinary team research and partnerships with industrial and governmental research organizations, I-FMD offers state-of-the-art materials and devices research facilities for use by Lehigh as well as external researchers. These include Materials Characterization Facility (MCF), and Integrated Nanofabrication & Cleanroom Facility (INCF) operated by expert support staff.