

ME-EM

We Want Your Energy

The Department of Mechanical Engineering-Engineering Mechanics (ME-EM) invites applications in Energy-Related areas within mechanical engineering and related fields in support of Michigan Tech's Strategic Faculty Hiring Initiative (SFHI) in next generation energy systems

Interdisciplinary Research Initiative

As part of Michigan Technological University's bold Strategic Faculty Hiring Initiative in energy-related areas, tenure-track positions, open in rank, will be added during the next year. This initiative will strategically build on and expand the research in energy systems at Michigan Tech. The research areas include:

- Smart transmission and distribution systems, cyber-security
- Generation and integration of renewables including wind and solar
- Improved combustion and conversion technologies with CO₂ capture and sequestration including biomass and waste streams
- Development of distributed power generation with co-generation and energy systems for buildings
- Energy harvesting in multi-scale systems including waste thermal, mechanical, and chemical energies
- Advanced materials for photovoltaic and battery technologies
- Distributed energy storage systems, management, and interconnection, including micro-grids and plug-in hybrid electric vehicles

- Biomimetic systems for energy conversion, including photo-biological processes
- Regulatory, policy, legal, social, environmental, and economic aspects of energy generation, transmission, and consumption

Michigan Tech is an ADVANCE institution, one of a limited number of universities in receipt of NSF funds in support of our commitment to increase diversity and the participation and advancement of women in STEM. The ME-EM Department and Michigan Tech encourages minority and female applicants. We also have a Dual Career Assistance Program (DCAP), which facilitates the hiring of partners. The website for our DCAP is <http://www.dual.mtu.edu/>. Lake Superior is just a few miles from campus and the surrounding area is perfect for all types of seasonal outdoor activities. Michigan Technological University is an Equal Opportunity Educational Institution/Equal Opportunity Employer.

Visit www.mtu.edu/sfhi for more information and to apply. For more information on the ME-EM Department visit www.me.mtu.edu.

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