Endowed Chair and Faculty Positions in Next Generation Energy Systems

Michigan Technological University announces a Strategic Faculty Hiring Initiative (SFHI) that will add up to 10 tenure-track positions, open in rank, during the 2009-10 and 2010-11 academic years. SFHI is an ongoing commitment to substantially expand Michigan Tech's faculty resources in targeted strategic areas of multidisciplinary research and inquiry. This initiative follows two previous hiring initiatives in the areas of Sustainability and Computational Discovery and Innovation.

Michigan Tech seeks to attract exceptional candidates whose interests and capabilities match the following areas with the goal of strategically bridging existing strengths and enabling expanded research:

- 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

Included in this initiative is the Richard and Elizabeth Henes Chair in Mechanical Engineering with an emphasis in Energy Systems, with the potential for additional endowed positions. Faculty selected for the Henes Chair will be a leader in their field with national and international reputations. Michigan Tech seeks a diverse applicant pool from a wide range of disciplines *including engineering and sciences* in this strategic initiative; a PhD degree is required and post-graduate experience is strongly preferred. For full consideration, applications should be received by November 30, 2009; review will continue until all positions are filled. Attractive salary, benefit and start-up packages will be provided for successful applicants.

Details about Michigan Tech's *Next Generation Energy Systems* SFHI are available at www.mtu.edu/sfhi. Applicants should prepare their materials as a single PDF document, and send it as an e-mail attachment to provost-energy@mtu.edu. More general information on Michigan Technological University is available at www.mtu.edu.

Michigan Tech is an internationally renowned doctoral research university located in Michigan's scenic Upper Peninsula, on the south shore of Lake Superior. Houghton provides a unique setting where natural beauty, culture, education, and a diversity of residents from around the world come together to share a superb living and learning experience.

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.

Michigan Technological University is an equal opportunity, affirmative action employer/educational institution. Applications from women and minorities are encouraged.