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The Departments of Electrical and Computer Engineering, Materials Science and Engineering and Mechanical Engineering at the University of Wisconsin-Madison, in collaboration with the Grainger Institute for Engineering seek candidates for up to two tenure-track faculty positions in the interdisciplinary area of sensors and sensing.

Areas of particular interest include, but are not limited to, the following:

Discovery, design, synthesis, and characterization of sensing and responding materials, including nanomaterials, especially soft nanomaterials, thin films, and materials for service in extreme environments.

Development including theory, design, and fabrication of sensor devices, networks, and systems for physical and biological sensing and/or control applications, with an emphasis on the mechanical, electrical, and electromechanical aspects of sensors and actuators.

Sensor and sensing technologies for applications in healthcare, autonomous vehicles, energy harvesting and conversion, power systems, and environmental and infrastructure monitoring.

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