



**Summer Teacher Research Fellowships in
Sensor Science and Engineering
Electrical and Computer Engineering Department
and the Laboratory for Surface Science and Technology
University of Maine**



June 18 - August 10, 2007

During the summer of 2007 the Electrical and Computer Engineering Department and the Laboratory for Surface Science and Technology (LASST) at the University of Maine will offer up to five Maine secondary school teachers opportunities to participate in research under the guidance of various faculty in the area of sensor science and engineering. This program is under the sponsorship of the National Science Foundation and awards the participating teacher a stipend of \$9,000 for a period of eight weeks. Three academic credits will also be awarded. *Women, minorities and/or handicapped are strongly urged to apply.*



Activities:

Teachers will be involved in fundamental and applied sensor research at the University of Maine where they will work with state-of-the-art research equipment and facilities. They will interact with faculty members, research scientists, and graduate students for guidance and consultation throughout the 8-week period. At the completion of the program, teachers will write a final report and give an oral seminar.



Possible Research Areas:

- Metal Oxide Thin Film Sensor Materials
- Piezoelectric Sensors
- Microsensors based on Microelectromechanical Systems (MEMS) and Nanosystems Technology
- Selective Detection in Sensors using Porous Oxide Materials
- Biosensors
- Pesticide Sensors
- Sensor Data Analysis

Eligibility:

- U.S. citizen or permanent resident

Award Includes:

- \$9,000 stipend
- 3 academic credits

Application Deadline: April 25, 2007

Contact Information:

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