Materials Research Science and Engineering Center (MRSEC) and Broader Impacts

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**IRG 1:** New Semiconductors from an Unstable World

**IRG 2:** Molecular and Electronic Dynamics at Organic-Inorganic Interfaces

**IRG 3:** Functional Liquid Crystalline Assemblies, Materials and Interfaces

**IEG:** Interdisciplinary Education Group
Mission and Vision of the IEG

Excite people of all ages and backgrounds about science and engineering

- Create and disseminate research-inspired education resources
- Provide professional development for people at all stages of education
- Broaden participation of people underrepresented in science and engineering.
Research-Inspired Education Resources

• Online activities
• Interactive apps
• Kits
• On-campus field trips
• Demonstrations
• Educational videos
Nano-Indenter
The MRSEC Education website is funded by the National Science Foundation. To help maximize its impact, please complete a brief 4-question survey by clicking here.

Liquid Crystals Sensors at UW-Madison MRSEC - UW-Madison

Liquid Crystals Sensors at UW-Madison MRSEC — follow us on youtube
Professional Development

Teachers

• Research Experience for Teachers (RET)
  o Laboratory experience,
  o Professional development
  o Classroom curriculum
  o New MRSEC resources

• Teacher workshops
  o Disseminate MRSEC resources
Professional Development

Undergraduate students

- Research Experience for Undergraduates (REU) – laboratory experience, professional development

Graduate students

- Mentoring through the REU and RET programs
- Communication experience through outreach
Broadening Participation

- RET program focuses on teachers of underserved students
- REU program is minority student focused
- Outreach events targeted at underserved populations
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MRSEC Personnel and Collaborators

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Thank You

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