

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

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UW MRSEC

IRG1: 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





QUICK LINKS

- [Video Lab Manual](#)
- [What's New?](#)
- [Topics](#)
- [Kits and Demos/ICE](#)
- [Research Experience for Undergraduates \(REU\)](#)

CONNECT WITH US ON SOCIAL MEDIA



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 [follow us on youtube](#)

Professional Development

Teachers

- Research Experience for Teachers (RET)
 - Laboratory experience,
 - Professional development
 - Classroom curriculum
 - New MRSEC resources
- Teacher workshops
 - Disseminate MRSEC resources



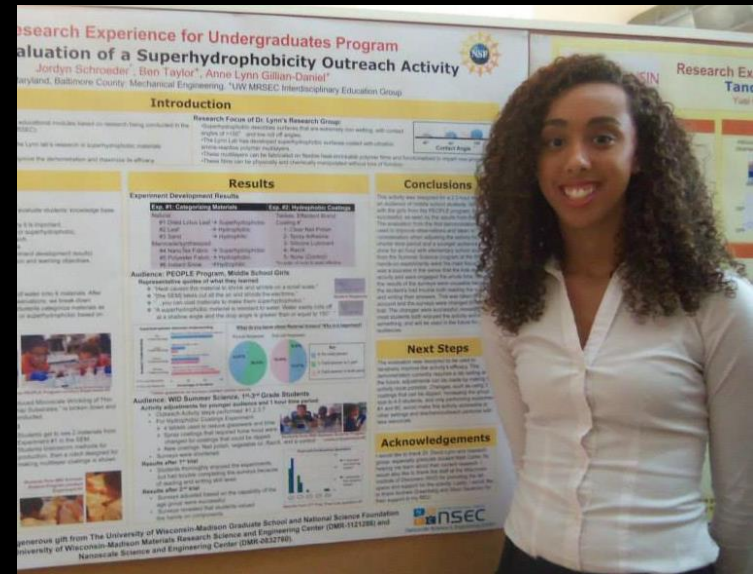
Professional Development

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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Thank You

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