

Materials Science and Engineering: The Science of Stuff

February 28, 2017 | 4:00-6:00 PM

Introductions:

Gloria Waters	Vice President and Associate Provost for Research
David Bishop	Head, Division of Materials Science & Engineering, and Professor,
	Electrical & Computer Engineering, Mechanical Engineering, and
	Materials Science & Engineering, ENG
Alice White	Chair, Mechanical Engineering, and Professor, Mechanical
	Engineering and Materials Science & Engineering, ENG

Research Presentations:

- Ultrafast Optics and its Applications Michelle Sander, Ph.D., Assistant Professor, Electrical & Computer Engineering and Materials Science & Engineering, ENG
- Advancing High Energy Density Batteries Through Controlled Mass Transport Emily Ryan, Ph.D., Assistant Professor, Mechanical Engineering and Materials Science & Engineering, ENG
- Organic Electronic Materials Malika Jeffries-EL, Ph.D., Associate Professor, Chemistry, CAS
- Biomimetic Growth Factor Delivery Strategies to Improve Mechanical Functionality of Engineered Cartilage

Michael Albro, Ph.D., Research Assistant Professor, Mechanical Engineering and Materials Science & Engineering, ENG

- **Two-Dimensional Materials and Heterostructures** Xi Ling, Ph.D., Assistant Professor, Chemistry, CAS, and Materials Science & Engineering, ENG
- Computational Materials Science Sahar Sharifzadeh, Ph.D., Assistant Professor, Electrical & Computer Engineering and Materials Science & Engineering, ENG
- Nanomanufacturing where Top-Down Meets Bottom-Up Keith Brown, Ph.D., Assistant Professor, Mechanical Engineering and Materials Science Engineering, ENG, and Physics, CAS
- Advanced Quantum Dot Synthesis for Biosensing and Biomedical Imaging Allison Dennis, Ph.D., Assistant Professor, Biomedical Engineering, ENG
- Single Molecule Magnets Linda Doerrer, Ph.D., Associate Professor, Chemistry, CAS

• Atomic Membranes

Scott Bunch, Ph.D., Assistant Professor, Mechanical Engineering and Materials Science & Engineering, ENG

- Lanthanide Binding Tags (LBTs): New Chemical Tools for Molecular Visualization Karen Allen, Ph.D., Professor, Chemistry, CAS
- Materials for Electrochemical Energy Conversion Srikanth Gopalan, Ph.D., Associate Professor, Mechanical Engineering and Materials Science & Engineering, ENG

Thank you for your participation



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