

JUNIOR PARENTS WEEKEND 2014

PROGRAM OVERVIEW

Center for Sustainable Energy at Notre Dame (cSEND) 115 Stinson-Remick Hall

- Participants will learn about cSEND and its energy-related research and education programs, such as the Energy Studies Minor and the NSF Research Experience for Teachers. Afterwards, participants will tour energy-related laboratories.
- Host: [Dr. William Schneider](#), Professor of Chemical and Biomolecular Engineering; cSEND Associate Director

Materials Characterization Facilities 116 Stinson-Remick Hall

- These facilities provide world-class, state-of-the-art equipment and instrumentation to support scientific advancements and new or improved technologies and systems. Major capabilities include general materials characterization, solar fuels and electrocatalyst characterization, and crystallographic characterization.
- Host: [Dr. Ian Lightcap](#), cSEND Senior Scientist

Ionic Liquids Laboratory 314 Stinson-Remick Hall

- The general focus of the Brennecke Research Group is the utilization of Ionic Liquids (ILs) to develop environmentally benign processes. Ionic Liquids are molten salts with a melting temperature below 100°C. They have many unique properties that make them attractive for a wide range of energy applications, such as CO₂ capture and liquid-based refrigerants.
- Host: [Dr. Joan Brennecke](#), The Keating-Crawford Chair in Chemical and Biomolecular Engineering; cSEND Director

Actinides Facility and EFRC: Materials Science of Actinides 303 Stinson-Remick Hall

- The Actinides Facility specializes in crystallographic characterization and offers the capability to conduct in-situ synthetic studies of complex actinide materials containing transuranium elements, which is unique in the United States.
- The Energy Frontier Research Center (EFRC): Materials Science of Actinides blends experimental and computational approaches to study highly complex actinide materials (such as materials for fuels, waste forms, or separations), with an emphasis on the nanoscale.
- Hosts: [Dr. Ginger Sigmon](#), EFRC Managing Director, and [Dr. Peter Burns](#), The Massman Chair in Civil and Environmental Engineering and Earth Sciences; EFRC Director

Please join us for an
Energy
Open House and
Lab Tours

February 15, 2014
10:45 am – 12:00 pm
Stinson-Remick Hall

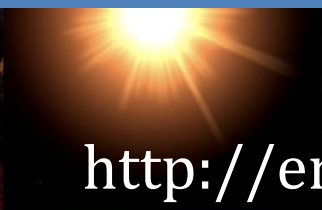
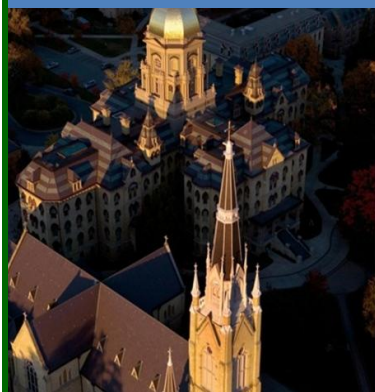
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projects and education programs
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