**SU PHYSICS NEWS – FEBRUARY 2014**

**Presentations by Faculty:**

**Simon Catterall:** invited talk at SIGN 2014, Darmstadt, Germany (February 18 - 21, 2014).


**Richard Schnee:**
- invited seminar, “Searches for low-mass WIMP dark matter with CDMS II and SuperCDMS,” University of South Dakota (February 20, 2014).
- invited seminar, “Searches for low-mass WIMP dark matter with CDMS II and SuperCDMS,” South Dakota School of Mines and Technology (February 27, 2014).

**Eric Schiff:**
- seminar, “Light trapping in solar cells: to the classical limit, and beyond”, Rutgers University (February 27, 2014).

**Tomasz Skwarnicki:** seminar, “Search for Beyond Standard Model Physics in LHCb”, Penn State (February 12, 2014).


**Presentations by Emeritus Faculty:**


**Presentations by Research Faculty, Postdocs and Students:**


**New Grants and Awards:**

**Lisa Manning** has been awarded a 2014 Alfred P. Sloan Foundation Fellowship. She is being recognized for her accomplishments, research potential, and academic leadership. The Sloan Foundation will provide $50,000 to support her research. Prof. Manning is one of only 126 early-career scientists (one of 23 physicists) in the US and Canada to receive this recognition this year.
Britton Plourde is the lead PI for a new project titled “Scalable Readout of Superconducting Qubits with Novel Superconducting Amplifiers and Metamaterials” that was awarded $2,250,000 over 36 months by the Army Research Office. The SU portion is $813,162 and the other investigators are at U. Wisconsin-Madison and U. Saarland (Germany).

**Outreach:**

**Scott Watson:** Content Consultant on a biography of Stephen Hawking, “Stephen Hawking, Extraordinary Theoretical Physicist”, to be published early next year by Abdo Press.

**Allen Miller** organized a meeting of the Physics Alliance of Central New York occurring on February 8 at the Physics Building, with twenty participating high school physics teachers. Featured was the value of video projects and video analysis, via a presentation by Anne Huntress of South Lewis High School.

**Other:**


**Mark Bowick:**

- attended the Steering Committee Meeting of the Park City Math Institute (run by the Institute for Advanced Study, Princeton) in Midway, Utah (February 7 - 9, 2014).
- co-organizer of the Research Program for the Graduate Summer School of the PCMI which will be held June 29-July 9, 2014.

**Britton Plourde:**

- attended the New Initiatives Committee meeting for the IEEE Council on Superconductivity in Charlotte, NC (February 21, 2014).
- participated in the Program Committee meeting and conference abstract sorting for the Applied Superconductivity Conference in Charlotte, NC (February 22, 2014).

**Additional January News:**

**Kenneth Foster:** Condensed Matter & Biological Physics Seminar, “How free swimming microorganisms use cilia and their senses to exploit and adapt to fluid physics and their environment”, Syracuse University (January 24, 2014).