SU PHYSICS NEWS –APRIL 2012

Presentations by faculty:


- **Stefan Ballmer**: invited talk, “Prospects and challenges for gravitational-wave astronomy” Invited Talk April APS.

- **Mark Bowick**:

- **Duncan Brown**:
  - presentation at the Syracuse University *College of Arts and Sciences Board of Visitors* meeting on student-centered learning and new pedagogical methods (April 20, 2012).

- **Simon Catterall**: seminar “Twisted Supersymmetry and Applications to Quantum Gravity”, Perimeter Institute for Theoretical Physics (April 25, 2012).


• **Sheldon Stone**: public lecture “Mysteries the Large Hadron Collider was built to explore” Milano, Italy (April 11, 2012).

• **Scott Watson**: visitor and invited seminar, “UV Sensitivity of Dark Matter”, Perimeter Institute, Waterloo, Canada (April 14-17, 2012):

**Participation in Advisory and Review Boards:**

• **Stefan Ballmer**: External review for the Japanese large cryogenic gravitational-wave telescope, KAGRA.

**Other:**

• **Edward Lipson’s** company, SenSyr LLC (affiliated with SU’s CASE Center), has developed and installed interactive sound and light technology for the renovated plaza at Syracuse Stage: [http://connectivecorridor.syr.edu/2012/05/08/syracuse-stage-plaza-lights-up](http://connectivecorridor.syr.edu/2012/05/08/syracuse-stage-plaza-lights-up).

• **Britton Plourde**: participant in the DARPA Quantum Entanglement Science and Technology (QuEST) annual funding review meeting in Charleston, SC (April 24-26, 2012).

• **Peter Saulson**: spoke about SU to newly admitted students at an SU event in Atlanta, GA.

• **Eric Schiff** and Qi Wang (G ’93) gave a one-day tutorial, “Thin film silicon and related materials for solar cells and displays”, at the Spring Meeting of the Materials Research Society in San Francisco (April 9, 2012).

**15th Annual East Coast Gravity Meeting and Josh Goldberg Fest:**

April 20 – 22, 2012, Syracuse University

• The *East Coast Gravity Meeting* (organized by Scott Watson) was an informal gathering of researchers working in all fields relating to gravity and cosmology. Speakers included John Stachel (“General Relativity”), Rafael Sorkin (“Quantum Gravity”), Mark Trodden (“Cosmology”), Peter Saulson (“Gravitational Waves”).

• The *Josh Fest* was in honor of the many accomplishments of Josh Goldberg. Josh has made many significant contributions to furthering our knowledge of gravity, some of which were recently featured in a special issue *General Relativity and Gravitation*. The event included a half day of invited talks including John Stachel, Peter Saulson, and Mark Trodden. Following the talks there was a dinner in honor of Josh, followed by an after-dinner speech by Ted Newman.