

Fall 2011	
August 23	Philip Russell, Max Planck Institute for the Science of Light, Photonics & New Materials, Russell Division Abstract Title: Keeping Light and Matter in Focus in Photonic Crystal Fibers
August 30	Deborah S. Jin, University of Colorado, NIST-JILA Abstract Title: Ultracold Polar Molecules
August 31 (Wednesday)	S. Town Stephenson Lecture Deborah S. Jin, University of Colorado, NIST-JILA Abstract Title: Fun with Ultracold Atoms
Sept. 6	Indrananth Dutta, Washington State University, School of Mechanical and Materials Engineering Abstract Title: Near-Interface Thermal-Mechanical-Electrical Interactions in Materials for Micro-Systems
Sept. 13	John Jaffe, Pacific Northwest National Laboratory Abstract Title: Semiconductors for radiation detection and solar cells: The physics they have in common
Sept. 20	Steven Tomsovic, Washington State University, Department of Physics & Astronomy., Abstract Title: What is measured in the scanning gate microscopy of a quantum point contact?
Sept. 27	Ann McEvoy, University of California, Berkeley Abstract Title: Nanoscale spatial organization in bacteria studied with super-resolution optical fluorescence microscopy
Oct. 5 (Wednesday)	Gabriela Gonzalez, Louisiana State University, Department of Physics & Astronomy. Abstract Title: Searches for coalescence of binary systems in LIGO and Virgo data

Oct. 11	<p>Barry Sanders, University of Calgary, Institute for Quantum Information Science.</p> <p>Abstract Title: Whither Quantum Computing?</p>
Oct. 18	<p>Francesca Sammarruca, University of Idaho, Department of Physics</p> <p>Abstract Title: From Neutron Skins to Nuclear Reactions (and beyond...) with a consistent microscopic approach.</p>
Oct. 25	<p>Melissa C. Skala, Vanderbilt University, Department of Biomedical Engineering,</p> <p>Abstract Title: An optical career path: reflecting on undergraduate physics at WSU and propagating into biomedical research</p>
Oct. 27 (Thursday)	<p>S. Town Stephenson Lecture</p> <p>Eric Cornell, National Institute of Standards and Technology,</p> <p>Abstract Title: Stone Cold Physics</p> <p>A general public talk by Prof. Eric Cornell, Nobel Laureate</p>
Nov.3 (Thursday)	<p>Babak Parviz, University of Washington, Department of Electrical Engineering</p> <p>Abstract Title: Functional contact lens microsystems</p>
Nov.8	<p>Di Xiao, Oak Ridge National Laboratory, Materials Science & Technology,</p> <p>Abstract Title: Emergent Electromagnetism in Solids: From Berry Phase to Topological Insulators</p>
Nov.15	<p>Carlos Lousto, Rochester Institute of Technology, School for Mathematical Sciences, Abstract Title: Astrophysical effects of gravitational radiation in Black-Hole Binaries:</p>
Nov. 29	<p>Lin Chen, Argonne National Laboratory, Chemical Sciences and Engineering Division & Northwestern University, Department of Chemistry</p> <p>Abstract Title: X-ray Transient Absorption Spectroscopy for Solar Energy Research</p>

Dec. 6

**Manuela Campanelli, Rochester Institute of Technology,
Center for Computational Relativity and Gravitation, School
for Mathematical Sciences, Rochester, NY**

**Abstract Title: [Merging Black-Hole in Astrophysical General
Relativity](#)**