## Spring 2014 – Colloquium Schedule

### Fall 2014 Schedule

<table>
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<tr>
<th>Date</th>
<th>Speaker and Talk Title</th>
<th>Host</th>
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<td>January 14</td>
<td>No Colloquium</td>
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| January 21      | John Sipe, University of Toronto
Abstract Title: From classical to quantum nonlinear optics in photonic structures | OSA               |
| January 28      | Rick Lytel, First Degree Innovation
Abstract Title: Nonlinear optics of quantum graphs: Geometrical, topological, and universal scaling laws | Mark Kuzyk        |
| February 4      | No Colloquium                                                                         |                   |
| February 11     | No Colloquium                                                                         |                   |
| February 13 (Thursday) | Brian Collins, National Institute of Standards and Technology
Abstract Title: Novel resonant X-ray experiments revealing how nano-to-mesoscale structure governs optoelectronic processes in organic devices | Sue Dexheimer |
| February 18     | No Colloquium                                                                         |                   |
| February 20 (Thursday) | Wei Han, IBM Almaden Research Center
Abstract Title: Spintronics in Graphene and Complex Oxides | Sue Dexheimer |
| February 25     | Stephanie Law, University of Illinois at Urbana–Champaign
Abstract Title: Designer plasmonic materials for the mid-infrared | Kelvin Lynn |
| March 4         | No Colloquium                                                                         |                   |
| March 11        | No Colloquium                                                                         |                   |
| March 18        | Spring Break – No Colloquium                                                         |                   |
| March 25        | Jason W. Barnes, Department of Physics, University of Idaho
Abstract Title: Spin–Orbit Alignment of Exoplanets from Gravity Darkening: Clues to the Origin of Hot Jupiters | Guy Worthey |
| March 27 (Thursday) | Dr. Christopher J. Keane, Director, NIF User Office, Lawrence Livermore National Laboratory
Abstract Title: Recent Advances in Inertial Confinement Fusion (ICF) and the Physics of Matter at High Energy Densities | Matt McCluskey |
| April 1         | Peter Engels, Department of Physics and Astronomy, WSU
Abstract Title: BECs in artificial gauge fields: Simulating condensed matter Hamiltonians with ultracold atoms | Matt McCluskey |
| April 8         | Gary Collins, Department of Physics and Astronomy, WSU
Abstract Title: The correlation factor in impurity diffusion | Matt McCluskey |
| April 15        | Lorin Benedict, Condensed Matter and Materials Division, Lawrence Livermore National Laboratory
Abstract Title: Predicting the Properties of Matter at Ultra–High Pressure and Temperature: Physical Models for Inertial Confinement Fusion | Matt McCluskey |
| April 22        | Open                                                                                  |                   |
| April 29        | Yanfei Gao, Department of Materials Science and Engineering, University of Tennessee at Knoxville
Abstract Title: A Peierls Perspective on Mechanisms of Atomic Friction | Yi Gu             |