

PHYSICS AND ASTRONOMY

Colloquium

Fall 2016 – Colloquium Schedule

Date	Speaker and Talk Title	Host
August 30	Ingmar Saberi , Particle Theory, Caltech University Title: <u>"A rough-and-ready introduction to some mathematical applications of quantum field theory"</u>	Fred Gittes
September 6	Robert Thompson , Jet Propulsion Laboratory, California Institute of Technology Title: <u>"Cold Atom Laboratory: An Introduction to NASA's coolest mission ever"</u>	Peter Engels
September 13	Silvano Donati , University of Pavia Title: <u>"From Order to Chaos and back: a High-Level Coupling Approach for Cryptography of Transmitted Data"</u>	OSA/SPIE Club
September 20	Dong Yu , Department of Physics, University of California, Davis Title: <u>"Photocurrent mapping of nanostructures "</u>	Yi Gu
September 27	Rick Lytel , Department of Physics & Astronomy, Washington State University Title: <u>"Fundamental Limits of Nonlinear Optics"</u>	Jeffrey McMahon
October 4	David Hall , Department of Physics & Astronomy, Amherst College Title: <u>"Tying Knots in a Quantum Fluid"</u>	Peter Engels
October 11	Russell Hemley , Geophysical Laboratory, Carnegie Institution Title: <u>"New Findings in Materials in Extreme Environments"</u>	Jeffrey McMahon
October 18	Oana Jurchescu , Department of Physics, Wake Forest University Title: <u>"Charge Transport in Organic and Hybrid Field-Effect Transistors"</u>	Brian Collins

- October 25 **Tim Atherton**, Department of Physics & Astronomy, Tufts University Mark Kuzyk
Title: "Optimizing the hyperpolarizabilities of 1D quantum mechanical systems"
- November 1 **Sergiy Divinski**, Institute of Material Physics, University of Munster Gary Collins
Title: "Grain boundary phase transitions studied by radiotracer diffusion"
- November 8 **Election Day, No Colloquium**
- November 15 **Harald Ade**, Department of Physics, North Carolina State University Brian Collins
Title: "Organic Photovoltaics: Intersection of science, scientific method, science literacy, and epistemology"
- November 22 **Thanksgiving Break, No Colloquium**
- November 29 **Kieron Burke**, Department of Chemistry, University of California, Irvine Jeffrey McMahon
Title: "Density functional theory and machine learning"

Colloquia are held on Tuesdays at 4:10 pm in Webster 17 on the Pullman campus of Washington State University, unless otherwise noted.

Come meet the speaker over coffee & cookies at 3:45 pm in the foyer on the Ground floor above the lecture hall.