

## GENERAL SEMINAR SCHEDULE SPRING 2005

NOTE: All seminars will be held at 3:40 PM in Rm. 109 Nicholson Hall, unless otherwise indicated.

DATE	TITLE OF TALK	SPEAKER	SPEAKER'S INSTITUTION	HOST
Jan. 20	"Photonic Crystals: A New Frontier in Modern Optics" <u>Abstract</u>	Dr. Lucia Florescu	Jet Propulsion Laboratory	Dr. Jonathan Dowling
Jan. 26	<b>Chancellor's Distinguished Lecture</b>  "The Dark Side of the Universe: Beyond stars and the starstuff we are made of" <u>Abstract</u>  5:00 PM - 130 Nicholson Hall	Prof. Michael Turner	Chair, Dept. of Astronomy & Astrophysics University of Chicago	Dr. Jorge Pullin
Jan. 27	"Cosmic Acceleration: New Gravitational Physics or Mysterious Dark Energy" <u>Abstract</u>	Prof. Michael Turner	Chair, Dept. of Astronomy & Astrophysics University of Chicago	Dr. Jorge Pullin
Feb. 3	"Moving Fluid with Bacterial Carpets" <u>Abstract</u>	Prof. Nicholas C. Darnton	Rowland Institute Harvard University	Dr. Joseph Giaime
Feb. 10	"The Pentaquark Puzzle"	Dr. Valerie Halyo	BaBar Stanford Linear Accelerator	Dr. Robert Svoboda
Feb. 17				
Feb. 24	"Recollections of Oppenheimer and Schwinger" <u>Abstract</u>	Prof. Ed Gerjuoy	University of Pittsburgh	Dr. Ravi Rau
March 3	"The MACHO Project: Halo Dark Matter, Galactic Structure and the Time Domain OR MACHO Ain't Dead Yet" <u>Abstract</u>	Prof. Kem Cook	Lawrence Livermore National Laboratory	Dr. Geoff Clayton
March 8	"Frustrated Spins on a Metallic Pyrochlore"	Dr. Satoru Nakasutji	Kyoto University	Dr. John DiTusa
March 10	"Mapping Accretion in Ultra-compact Binary Stars" <u>Abstract</u>	Dr. Danny Steeghs	Harvard-Smithsonian Center for Astrophysics	Dr. Robert Hynes
March 17	"Public Health Aspects of Radiation Safety"	Prof. Herman Cember	Northwestern and Purdue Universities	Drs. W.-H. Wang, E. Sajo, and K. Matthews
March 24				

March 31	<b>"GLAST: Exploring the High Energy Gamma-Ray Universe"</b> <b>Abstract</b>	Dr. Julie McEnery	NASA Goddard Space Flight Center	Dr. Michael Cherry
April 7	<b>"How to Build a Fault-tolerant Quantum Computer"</b> <b>Abstract</b>	Prof. Andrew Landahl	Massachusetts Institute of Technology (MIT)	Dr. Jonathan Dowling
April 14	<b>"Building Disk Galaxies: Infall and Interactions"</b>	Dr. Sheila Kannappen	University of Texas-Austin	Dr. Robert Hynes
April 21	<b>"New Searches for Gravity Waves with ALLEGRO"</b>	Dr. Warren Johnson	LSU Physics & Astronomy	Dr. Juhon Frank
April 28	<b>"Robots, Movie Cranes, and Smart Car, Should Physics be this fun?"</b> <b>Abstract</b>	Mr. Randy M. Dumse	CEO, New Micros	Dr. Jorge Pullin
April 29 <b>Special Seminar</b> 3:40 PM 109 Nicholson	<b>"WMAP and The New Cosmology"</b>	Dr. Licia Verde	University of Pennsylvania	Dr. Warren Johnson
May 5	<b>"ALL ABOUT EVE: (and) Secret Sharing Using Quantum Effects"</b> <b>Abstract</b>	Dr. Deborah Jackson	Jet Propulsion Laboratory Quantum Computing Technologies Group	Dr. Jonathan Dowling
May 12	<b>"Measuring Geo-nus and the Search for a Geo-reactor and KamLAND and a New Experiment, Hanohano, in the mid-Pacific"</b> <b>Abstract</b>	Prof. John Learned	University of Hawaii-Manoa	Dr. Robert Svoboda
May 19	<b>"Last Rites for Binary Star Evolution"</b> <b>Abstract</b>	Dr. Joe Patterson	Columbia University	Drs. Bradley Schaefer & Robert Hynes
<b>Last Update: Thursday, April 27, 2005</b>				