



Nuclear Engineering and Radiological Sciences

Winter 2008 Colloquium Series

DATE	SPEAKER	TITLE
Jan. 11	Martha Matuszak William Beaumont Hospital	A Diffusion-Based Method to Control Beam Complexity in Radiation Therapy
Jan. 18	Thomas J. Dolan Nuclear, Plasma and Radiological Engineering, University of Illinois	Safety and Security of Radioactive Sources
Jan. 25	Alan Hunt Idaho State University	Active Techniques for the Real-Time Detection, Identification and Quantification of Fissionable Materials
Feb.1	Larry Satkowiak, Director of Global Security & Nuclear Proliferation Programs, Oak Ridge Nat'l Lab	Nuclear Nonproliferation and Terrorism
Feb. 8	Charles Hess Director, Nuclear Services, Burns and Roe Enterprises	Practical Issues Facing the Nuclear Renaissance
Feb. 15	John M. Tuohy Jr., Director of Nuclear Technology, Hitachi America	Challenges of Engineering and Constructing the Next Generation of Nuclear Plants
Feb. 22	NERS Student Presentations	To be arranged
Mar. 7	Stanley Borowski NASA	The Benefits of Nuclear Thermal Rocket (NTR) Propulsion for Future NASA Human Mars Missions
Mar. 14	Ronnie Shepherd Lawrence Livermore National Laboratory	Exploring Extreme States of Matter Using High Intensity, Ultra-Short Pulse Laser-Matter Interactions
Mar. 21	David Griesheimer Bettis Atomic Power Laboratory	A Simple but Effective Thermal Feedback Methodology for Monte Carlo Reactor Calculations
Mar. 28	Paul Luke Lawrence Berkeley National Laboratory	Semiconductor Gamma-Ray Detectors –Challenges and Solutions
Apr. 4	Ralph James, Associate Director, Brookhaven National Laboratory	Solid-State Room-Temperature Gamma Detectors
Apr. 11	Michael Cuneo Sandia National Laboratories	Pulsed Power High Energy Density Physics Experiments at Sandia National Laboratories

**Fridays at 4:00 p.m., White Auditorium
Cooley Building, North Campus**