



WEEKLY CALENDAR

6 September 2005

Department of Physics and Astronomy
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Louisiana State University and A&M College
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General Seminar

3:40PM / Thursday, 8 September 2005 / Room 109, Nicholson Hall

Host: Dr. Juhan Frank

[Refreshments served at 3:15PM in Room 229, Nicholson Hall]

"Attosecond Physics"

Ken Schafer, PhD

Department of Physics & Astronomy, Louisiana State University

Awards

Dr. Jonathan Dowling received a Certificate of Recognition from NASA for the creative development of a technical innovation approved for publication entitled "High Power Fiber Laser Technology Using Linear and Nonlinear Photonic Bandgap Materials," on July 28, 2005.

Publications

Elements of Numerical Relativity: From Einstein's Equations to Black Hole Simulations, Carles Bona (Universitat de les Illes Balears, Spain) and Carlos Palenzuela-Luque. Springer Series: *Lecture Notes in Physics*, Vol. 673, 2005, XII, 151 p., 39 illus., hardcover (ISBN: 3-540-25779-9).

"Four-level and two-qubit systems, subalgebras, and unitary integration." A.R.P. Rau, G. Selvaraj, and D. Uskov. *Physical Review A* 71, 062316(8), 15 June 2005.

"Time-dependent treatment of a general three-level system." A.R.P. Rau and Weichang Zhao. *Physical Review A* 71, 063822(6), 30 June 2005.