

# 2012 FIU Department of Physics Seminars

## **A Brief Introduction to Cosmology**

Richard Galvez, Department of Physics, Syracuse University

*Aug. 24, 2012*

## **Multimodal Functional Neuroimaging: Integration of fMRI and EEG/MEG data**

Prof. Jorge Riera Diaz, Department of Biomedical Engineering, Florida International University

*Aug. 31, 2012*

## **Conjugated polymer nanoparticles for labeling and delivery of biological interests**

Dr. Joong-Ho Moon, Department of Chemistry, Florida International University

*Sept. 7, 2012*

## **Nanotechnologies, environmental sensing and bioinformatics – the impending transformation of public**

Dr. Shekhar Bhansali, Department of electrical & computer engineering, Florida International University

*Sept. 14, 2012*

## **Giant Nernst Effect and Bipolarity in the quasi-one-dimensional metal $\text{Li}_{0.9}\text{Mo}_6\text{O}_{17}$**

Prof. Joshua L. Cohn Department of Physics, University of Miami

*Sept. 21, 2012*

## **Ricci Curvature Flow for General Shape Registration and Geometric Analysis**

Prof. Wei Zen, School of Computing & Information Sciences, FIU

*Oct. 5, 2012*

## **Quantum transport on carbon nanotube in nanodevices and metamaterials - from effective models to non-equilibrium Green's function methods**

Prof. Mark Jack, Department of Physics, Florida A&M University

*Oct. 12, 2012*

## **Self-assembly of magnetic patterns using stress-engineering approach**

Dr. Leszek Malkinski, Associate Professor of Department of Physics and Materials Science, Advanced Materials Research Institute, University of New Orleans

*Oct. 19, 2012*

## **Nuclear Physics at Jefferson Lab: Present and Future**

Dr. Lei Guo, Department of Physics, Florida International University

*Oct. 26, 2012*

**Neuroimaging Methods to Explore the Brain**

Dr. Todd Parrish, Department of Radiology, Northwestern University

*Nov. 2, 2012*

**Applying current research findings from cognitive and neurosciences to university physics teaching**

Dr. Dedra Demaree, Department of Physics, Oregon State University

*Nov. 9, 2012*

**Physics identity development through meaningful classroom experiences**

Dr. Zahra Hazari, Assistant Professor of Engineering & Science Education, Assistant Professor of Mathematical Sciences, Clemson University

*Nov. 16, 2012*

**Studies of the 3D structure of the proton at JLab**

Dr. Harut Avakian, Thomas Jefferson National Accelerator Facility, USA

*Nov. 30, 2012*