Schedule of PASCAL 2016

April 2, 2016. Lecture Center 22

9.00-9.10	Professor	M. Sajjad	Alam	Opening remarks
9.10-9.20	Professor	Ariel	Caticha	Welcome from the Department Chair
9.20-9.32	Professor	Ariel	Caticha	Information Physics -- a progress report
9.32-9.44		Selman	Ipek	Relational entropic dynamics
9.44-9.56		Kevin	Vanslette	Quantum Measurements and Weak Values in Entropic Dynamics
9.56-10.08	Professor	Keith	Earle	Magnetic Resonance: Studies of Structure and Dynamics
10.08-10.20		Chris	Myers	A New Trajectory Method for Calculating Collision Cross-Sections of Nucleic Acids
10.20-10.32	Professor	Vivek	Jain	Research Activities on ATLAS
			BREAK	
10.50-11.02	Professor	Philip	Goyal	Functional Equations in Foundations of Physics
11.02-11.14		Thomas	Vandermeulen	Generalized quantum measurements and information gain
11.14-11.26	Professor	Alexander	Khmaladze	Dual wavelength digital holographic imaging of embedded layered structures
11.26-11.38		Xavier F.	Costa	Raman Spectroscopy of Complex Biological Systems
11.38-11.50		Noah	Park	Phase Imaging of Nervous System Cells by Digital Holographic Microscopy
11.50-12.02		Ben	Placek	Optimized Monitoring of Exoplanet Phase Curves and Secondary Eclipses
12.02-12.14		James	Walsh	Geodesics and Acceleration in Influence Theory
12.14-12.26		Yanli	Zhang	Backscattering and Anderson localization in sub-nm thick metal superlattices
12.26-12.35				Award Ceremony for the 2015 Joseph Henry Competition
			LUNCH	
1.45-1.57	Professor	William	Lanford	Nuclear Reaction Analysis for Light Elements
1.57-2.09	Professor	Oleg	Lunin	If I Only Had a Brane
2.09-2.21		Yuri	Chervonyi	Towards Higher Dimensional Black Rings
2.21-2.33		Jia	Tian	Demystifying the Entropy of Black Holes
		POSTER	SESSION	
3.30-3.42	Professor	Carolyn	MacDonald	Imaging Research at the Center for X-ray Optics
3.42-3.54	Professor	Jonathan	Petruccelli	Wigner functions in optics
3.54-4.06		Tonmoy	Chakraborty	Source diversity transport of intensity phase imaging using a spatial light modulator
4.06-4.18	Professor	Anna	Sharikova	Digital holographic phase imaging of particles embedded in 3D structures
4.18-4.30	Professor	Matthew	Szydagis	The Earthly Quest for Cosmic Dark Matter: LUX and Beyond
4.30-4.42		Steven	Young	The Pb-206 Background of the LUX Detector
4.42-4.54		Sean	Fallon	A Xenon Bubble Chamber
4.54-5.00				Closing remarks