

## PROGRAM: Vigier VII - BCS Physics of Reality: Space, Time, Matter, Cosmos

Wednesday, 15 August

9.00-9.10	Peter Rowlands	Welcome
9.10-9.50	James E. Beichler	The tie that binds: The fundamental unit of 'change' in space and time
9.50-10.30	Donatello Dolce	Intrinsic periodicity: the forgotten lesson of quantum mechanics
10.30-11.00	Coffee	
11.00-11.40	Oleg Matvejev	Explicit and Implicit Uncertainties and Uncertainty principle in the Special Theory of Relativity
11.40-12.20	Vadim Matvejev	Simulations of Relativistic Effects, Relativistic Time and the Constancy of Light Velocity
12.20-1.20	Lunch	
1.20-2.20	Louis H. Kauffman	Non-Commutative Worlds
2.20-3.00	Dionysios G. Raftopoulos	On the Maximum Speed of Matter
3.00-3.30	Tea	
3.30-4.10	László Ropolyi	Lorentzian versus Einsteinian relativity as a philosophical issue
4.10-4.50	Michael Lawrence	Two new Planck unit frameworks which eliminate the gravitational constant G and shows all parameters as ratios of only $h$ , $c$ and the square root of $\alpha / 2\pi$

Thursday, 16 August

9.00-9.40	Jürgen Brandes	General relativity theory – well proven and also incomplete?
9.40-10.20	Ludwik Kostro	Are life, consciousness and intelligence cosmic phenomena?
10.20-11.00	John K. Grandy	The Neurogenetic Correlates of Consciousness
11.00-11.30	Coffee	
11.30-12.10	Jeremy Dunning-Davies	Thoughts on Landauer's principle and its Experimental Verification
12.10-12.50	David Sands	Information entropy and the classical ideal gas
12.50-1.50	Lunch	
1.50-2.50	Walter Schempp	A Quantum Holographic Approach to the Orbiton/Spinon Geometry of Black Holes
2.50-3.30	John Dainton	Fields in Action
3.30-4.00	Tea	
4.00-4.40	Al Kracklauer	What is Light?: An Experiment
4.20-5.00	Phillial Oh	Asymptotically Einstein Universe

Friday, 17 August

9.00-9.40	Peter Rowlands	Space and Antispace
9.40-10.20	Sabah E. Karam	Zero-Totality in action-reaction space: A generalization of Newton's third law?
10.20-10.50	Coffee	
10.50-11.30	Jan Czerniawski	New formalization of Putnam's proof that time does not flow
11.30-12.10	Alexander Kholmetskii	Renormalization problem in classical electrodynamics: actualized approach and its physical implications
12.10-12.50	Peter J. Marcer	A Computational Unification of Scientific Law: Spelling Out a Universal Semantics for Physical Reality
12.50-1.50	Lunch	
1.50-2.30	John E. Carroll	Relativistic Entanglement
2.30-3.10	R Guy Grantham	Justification for the vacuum medium as an electronpositron aggregation state of matter and proposal of experiment for falsification
3.10-3.40	Tea	
3.50-4.20	James J. Hurtak	Examining the Existence of the Multiverse
4.20-5.00	Elizabeth A. Rauscher	Universal Scaling Laws in Quantum Theory and Cosmology

Saturday, 18 August

9.00-9.40	Albrecht Giese	Relativity Based on Revised Particle Physics
9.40-10.20	Miles Osmaston	Implementing Maxwell's aether illuminates the physics of gravitation
10.20-10.50	Miles Osmaston	Continuum Theory (CT)
10.50-11.10	Coffee	
11.10-11.50	Vladimir Gladyshev	Description of Interferometric experiments in moving frame systems
11.50-12.30	Vladimir Kauts	Dark matter halo around a gravitational body
12.30-1.20	Lunch	
1.20-2.00	Roger Anderton	An Introduction to Boscovichian Unified
2.00-2.40	C. Y. Lo	Rectification of General Relativity, Experimental Verifications, Distortions of the Wheeler School and Errors
2.40-3.20	Shukri Klinaku	Review of the relationship between Galileo's principle and velocity of light
3.20-3.40	Tea	
3.40-4.20	Boris Volfson	Dirac Sea and its Evolution
4.20-5.00	Richard L. Amoroso	Unified Geometroynamics