

Nikola Burić Memorial Workshop Program

9 December 2016, Institute of Physics Belgrade

Library reading room "Dr Dragan Popović"

Webpage: <http://nbmw.scl.rs>

Morning Session: Foundations of Quantum Mechanics and Quantum Complexity		
9:45-10:00	Opening of the Workshop	Antun Balaž Aleksandar Bogojević Branislav Jelenković
10:00-10:30	Quantum-to-classical Transition Through Coarse-grained Measurements	Časlav Brukner
10:30-11:00	Full Symmetry Implementation in Condensed Matter and Molecular Physics – Modified Group Projector Technique	Milan Damjanović
11:00-11:30	Exploring the Boundaries of Quantum Mechanics	Hans-Thomas Elze
11:30-11:45	COFFEE BREAK	
11:45-12:15	Quantum Cryptography Beyond Key Distribution: Bit Commitment and Secure Multiparty Computation	Nikola Paunković
12:15-12:45	Hamiltonian Formulation of Hybrid Quantum-classical Systems	Milan Radonjić
12:45-13:15	Benefits of Generalizations in Different Topics	Dušan Arsenović

LUNCH BREAK 13:15-14:30

Afternoon Session: Emergent Dynamics in Classical Complex Systems		
14:30-15:00	Partial Integrability	Božidar Jovanović
15:00-15:30	The Spark of Life: the Physics of How the Earth Went From Geology and Chemistry to Biology	Julyan Cartwright
15:30-16:00	Geometric Phases in Discrete Dynamical Systems	Oreste Piro
16:00-16:30	Self-organized Dynamics of Neuronal Systems Influenced by Noise and Coupling Delays	Igor Franović
16:30-17:00	COFFEE BREAK	
17:00-17:30	Note on Higher-dimensional Symmetric Euler Top	Borislav Gajić
17:30-18:00	Time and Times: Some Things I learnt from Nikola Burić	Luis Fariña-Busto

CLOSING OF THE WORKSHOP