

Co-Chairmen:
Michal Hnatič
Irina Pirozhenko

Advanced Methods of
Modern Theoretical Physics:

INTEGRABLE AND STOCHASTIC SYSTEMS

Joseph Buchbinder (BLTP JINR, Dubna)

Aspects of effective action in quantum field theory

Sergey Derkachov (PDMI RAS, Saint Petersburg)

Open Toda chain: Q-operator, orthogonality and completeness of eigenfunctions

Dmitri Fursaev (BLTP JINR, Dubna)

Classical and Quantum Physics of Plane Gravitational Shock Waves

Nikolay Gulitsky (BLTP JINR, Dubna & SPBU, Saint Petersburg)

Renormalization Group, Stochastic Dynamics and Quantum Field Theory

Alexey Isaev (BLTP JINR, Dubna)

Introduction to the theory of classical and quantum integrable systems

Mikhail Nalimov (BLTP JINR, Dubna & SPBU, Saint Petersburg)

Functional integral formalism for describing classical and quantum equilibrium and nonequilibrium systems

Alexander Povolotsky (BLTP JINR, Dubna & NRU HSE, Moscow)

Toy models and universal laws

Anton Baushev (BLTP JINR, Dubna)

Observing gravitational waves: yesterday, today, tomorrow

