

**6th Spring School and Workshop
on Quantum Field Theory & Hamiltonian Systems
6-11 May 2008, Călimănești, Romania**

Invited lessons

- L1 Glenn Barnich, Dyons with potentials: duality and black hole thermodynamics I
- L2 Simon Lyakhovich, BRST complex and quantization beyond Lagrangian formalism
- L3 Xavier Bekaert, Weyl calculus and Noether couplings I
- L4 Apolodor Răduță, Double beta decay on excited collective states
- L5 Gheorghe Zet, Gauge theories on noncommutative space-time
- L6 Dan Grecu, Soliton stability of generalized NLS equations
- L7 Boyka Aneva, Many-body systems with a flow and exact solvability I
- L8 Dan Grigore, Gauge invariance and cohomology in the Epstein-Glaser approach
- L9 Thomas Strobl, Gauge theories and Q-bundles I
- L10 Boyka Aneva, Many-body systems with a flow and exact solvability II
- L11 Radu Constantinescu, Complete dynamics in the extended phase-space
- L12 Thomas Strobl, Gauge theories and Q-bundles II
- L13 Vasil Tsanov, Homogeneous quaternionic and related structures I
- L14 Dumitru Vulcanov, Numerical investigations in Ricci flow on 2 and 3 dimensional surfaces
- L15 Ciprian Acatrinei, Quantum fields on noncommutative spaces
- L16 Vasil Tsanov, Homogeneous quaternionic and related structures II
- L17 Constantin Bizdadea, Various topics in BRST symmetry and BRST cohomology
- L18 George Zoupanos, Finite Unified Theories and the prediction of the Higgs mass
- L19 George Zoupanos, Higher dimensional unified theories with continuous and fuzzy extra dimensions

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L20 Paul Popescu, Lagrange and Hamilton foliations

L21 Ioannis Bakas, Quasinormal modes and hydrodynamics of AdS₄ black-holes I

L22 Adrian Costescu, Two photon atomic processes

L23 Ioannis Bakas, Quasinormal modes and hydrodynamics of AdS₄ black-holes II

Invited workshop sessions

W1 Mihai Vișinescu, String cosmological model in the presence of a magnetic flux

W2 Glenn Barnich, Dyons with potentials: duality and black hole thermodynamics II

W3 Xavier Bekaert, Weyl calculus and Noether couplings II

W4 Radu Constantinescu, Classical and non-classical symmetries for 2D Kuramoto-Sivashinsky model

W5 George Kirilov Dimitrov, Moduli spaces of complex structures on the real forms of SL(3,C)

W6 Eugen Cioroianu, Massless QCD-like theories

W7 Silviu Săraru, Irreducible Dirac bracket for gauge-fixed four-forms

W8 Mihail Sandu, Special features of Celestial Dynamics

W9 Carmen Ionescu, The spectrum of the generators in the sp(3) BRST Lagrangian approach for 1-reducible theories

W10 Alexandru Tudor Grecu, Dust acoustic solitons in a dusty plasma with dust charge variation

W11 Eugen Diaconu, 11-dimensional Supergravity as an interacting theory on Minkowski space

W12 Dan Cornea, Interactions in theories with many massless tensors with the mixed symmetry (3,1). Case of couplings with a vector field

W13 Dragoljub Dimitrijević, Tachyons as classical and quantum particles