

XV INTERNATIONAL CONFERENCE

ON

SYMMETRY METHODS IN PHYSICS

In memory of Professor Alexei Norairovich Sissakian

Dubna, Russia, July 12-16, 2011

TIMETABLE

Time	Tuesday 12	Wednesday 13	Thursday 14	Friday 15
10:00 - 10:50	Opening (Conference Hall)	V.Dobrev	A.Slavnov	V.Spiridonov
10:50 – 11:20 Cofee Break				
11:20 - 12:10	J.Lukiersky	R.Mir Kasimov	D.Shirkov	A.Isaev
12:10 - 13:00	G.Zinov'ev	N.Gromov	P.Fiziev	E.Ivanov
13:00 – 15:00 Lunch				
SECTION A Blokhintsev Hall				
15:00 - 15:30	V.Belokurov	G.Pogosyan	A.Suzko	M.Sheftel
15:30 - 16:00	M.Mnatsakanova	E.Kalnins	N.Tyurin	A.Kotikov
16:00 - 16:30	Yu.Vernov	S.Vinitzky	R.Yamaleev	N.Unal
16:30 – 17:00 Cofee Break				
17:00 - 17:30	S.Vernov	C.Burdik	S.Krivosos	
17:30 - 18:00	K.Rerikh		R.Bogdanov	

SECTION B Lecture Hall 2 nd floor				
Time	Tuesday 12	Wednesday 13	Thursday 14	Friday 15
15:00 - 15:30	A.Georgieva	E.Pozdeeva	S.Gevorgyan	Yu.Rybakov
15:30 - 16:00	V.Pervushin	N.Makhaldiani	R.Jafarov	I.Pestov
16:00 - 16:30	V.Gerdjikov	V.Kassandrov	L.Sevastianov	E.Kolganova
16:30 – 17:00 Cofee Break				
17:00 - 17:30	O.Solovtsova	S.Eliseev	V.Lyuboshitz	
17:30 - 18:00	V.Shilin	O.Kosmachev	D.Grachev	

12 July, Tuesday

10.00	OPENING (Conference Hall BLTP)
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10.50 — 11.30 Coffee Break

11.20	Jerzy Lukierski (Poland) <i>Maxwell gravity with new geometric vector fields</i>	50 min.
12.10	Gennady Zinov'ev (Ukraine) <i>Thermodynamics of quark quasi-particle ensemble</i>	50 min.

13.00 — 15.00 Lunch

SECTION A

15.00	Vladimir Belokurov (Russia) <i>Quantum Field Theory on Loop Space</i>	30 min
15.30	Melita Mnatsakanova (Russia) <i>Irreducibility of the set of quantum field operators in noncommutative quantum field theory</i>	30 min
16.00	Yury Vernov (Russia) <i>Haag's theorem in noncommutative quantum field theory</i>	30 min

16.30 — 17.00 Coffee Break

17.00	Sergey Vernov (Russia) <i>Cosmological models with Yang-Mills fields</i>	30 min
17.30	Konstantin Rerikh (JINR, Dubna) <i>Dynamics of birational plane mappings and algebraic Integrability of functional equations and dynamical systems defined by birational plane mappings</i>	30 min

SECTION B

15.00	Ana Georgieva (Bulgaria) <i>Symplectic Extension of Boson Models of Nuclear Structure.</i>	30 min
15.30	Victor Pervushin (Russia) <i>Universe as the Poincare group representation</i>	30 min
16.00	Vladimir Gerdjikov (Bulgaria) <i>Nonlinear Schrodinger equations related to symmetric spaces and soliton interactions</i>	30 min

16:30 — 17.00 Coffee Break

17.00	Olga Solovtsova (Belarus) <i>Variational perturbation theory and nonperturbative calculations in QCD</i>	30 min
17.30	Vadim Shilin (JINR, Dubna) <i>Hamiltonian anomalies of bound states in QED</i>	30 min

13 July, Wednesday

10.00	Vladimir Dobrev (Bulgaria) <i>Non-Relativistic Holography in Schroedinger Setting</i>	50 min.
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10.50 — 11.30 Coffee Break

11.20	Rufat Mir-Kasimov (JINR, Dubna) <i>Relativistic differential-difference momentum operators and noncommutative differential calculus</i>	50 min
12.10	Nikolay Gromov (Russia) <i>Interpretation of Neutrinos and Matter Interactions as Contraction of Electroweak Model</i>	50 min.

13.00 — 15.00 Lunch

SECTION A

15.00	George Pogosyan (Armenia & JINR, Russia) <i>Lie algebra contractions and separation of variables</i>	30 min.
15.30	Ernest Kalnins (New Zealand) <i>Contractions in Spaces of Constant Curvature</i>	30 min
16.00	Sergue Vinitzky (JINR, Dubna) <i>Perturbation theory for spheroidal quantum dots</i>	30 min

16.30 — 17.00 Coffee Break

17.00	Cestmir Burdik (JINR, Dubna & Czech Republic) <i>Extremal vektors for Verma type representation of $su(2,2)$</i>	30 min
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SECTION B

15.00	Ekaterina Pozdeeva (Russia) <i>Geodesics analysis of colliding gravitational shock waves.</i>	30 min
15.30	Nugzar Makhaldiani (JINR, Dubna) <i>Renormdynamics, multiparticle production, negative binomial distribution and riemann zeta function</i>	30 min
16.00	Vladimir Kassandrov (Russia) <i>Universality of mass and spin as a consequence of the STR symmetries</i>	30 min

16:30 — 17.00 Coffee Break

17.00	Sergey Eliseev (JINR, Dubna) <i>Partial Restoration of Chiral Symmetry at Intermediate Energy: Experiment vs. Theory</i>	30 min
17.30	Oleg Kosmachev (JINR, Dubna) <i>Quartet States of the Leptons</i>	30 min

14 July, Thursday

10.00	A. Slavnov (Moscow) <i>Nonperturbative quantization of nonabelian gauge theories</i>	50 min.
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10.50 — 11.30 Coffee Break

11.20	Dmitry Shirkov (JINR, Dubna) <i>'Symmetries, Breaking and Transforming</i>	50 min.
12.10	Plamen Fiziev (Bulgaria) <i>Symmetries, Transforming and Evolving</i>	50 min

13.00 — 15.00 Lunch

SECTION A

15.00	Alinas Suzko (JINR, Dubna) <i>SUSY transformations for generalized Schrödinger equations</i>	30 min
15.30	Nikolay Tyurin (JINR, Dubna) <i>Algebraic lagrangian geometry: from Geometric Quantization to Mirror Symmetry</i>	30 min
16.00	Robert Yamaleev (JINR, Dubna & Mexico) <i>Complementary part of relativity connected with Lobachevski space</i>	30 min

16.30 — 17.00 Coffee Break

17.00	Sergey Krivonos (JINR, Dubna) <i>CP(n) supersymmetric mechanics in U(n) background gauge fields</i>	30 min
17.30	Rifkat Bogdanov (Russia) <i>Groups of symmetry in weakly-dissipative theory by Kolmogorov-Arnold-Mozer</i>	30 min

SECTION B

15.00	Sergey Gevorgyan (JINR, Dubna) <i>Final state interaction of pions in kaon decays</i>	30 min
15.30	Rauf Jafarov (Azerbaijan) <i>Calculation of multi-quark functions in effective models of strong interaction</i>	30 min
16.00	Leonid Sevastianov (Russia) <i>Operational model of quantum measurements of Kuryshkin-Wodkiewicz is a dissipative quantum system</i>	30 min

16:30 — 17.00 Coffee Break

17.00	Valery Lyuboshitz (JINR, Dubna) <i>On the pair correlations of neutral K, D, B and B_s mesons with close momenta produced in inclusive multiparticle processes</i>	30 min
17.30	Dmitry Grachev (Russia) <i>Spontaneously broken spin symmetry in graphene films and spin waves quantum generation</i>	30 min

15 July, Friday

10.00	Vyacheslav Spiridonov (JINR, Dubna) <i>Elliptic hypergeometric functions and the representation theory</i>	50 min.
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10.50 — 11.30 Coffee Break

11.20	Alexey Isaev (JINR, Dubna) <i>Integrable spin chains based on Hecke and BMW algebras</i>	50 min
12.10	Evgeny Ivanov (JINR, Dubna) <i>$N=4$ supersymmetric mechanics: harmonic superspace as the universal tool of model-building</i>	50 min.

13.00 — 15.00 Lunch

SECTION A

15.00	Mikhail Sheftel (Turkey) <i>Algebraic solutions of heavenly equations</i>	30 min
15.30	Anatoly Kotikov (JINR, Dubna) <i>The Property of maximal transcendentality in the $N=4$ Supersymmetric Yang-Mills</i>	30 min
16.00	Nuri Unal (Turkey) <i>Time dependent harmonic oscillators: Coherent state approach</i>	30 min

16.30 Coffee

SECTION B

15.00	Yuri Rybakov (Russia) <i>Topological Solitons in 8-spinor Mie Electrodynamics</i>	30 min
15.30	Ivanhoe Pestov (JINR, Dubna) <i>Symmetry and unification of general relativity and quantum mechanics</i>	30 min
16.00	Elena Kolganova (JINR, Dubna) <i>Helium trimer at ultralow energies and the Philips line</i>	30 min

Closing

16:30 Coffee