

# XV INTERNATIONAL CONFERENCE

ON

*SYMMETRY METHODS IN PHYSICS*

*In memory of Professor Alexei Norairovich Sissakian*

Yerevan, Armenia, July 25-29, 2011

## TIMETABLE

Time	Monday 25	Tuesday 26	Wednesday 27	Thursday 28
9:30 - 10:00		M.Mnatsakanova	I.Pestov	C.Burdik
10:00 - 10:30		Yu.Vernov	V.Belokurov	H.Sarkisyan
10:30 - 11:00	Opening	S.Gevorgyan	A.Khvedelidze	A.Gusev
<b>11:00 – 11:30 Cofee Break</b>				
11:30 - 12:15	V.Petkova	A.Gaspari an	R.Manvelyan	S.Vinitsky
12:15 - 13:00	A.Isaev	A.Gozdz	T.Tchrakian	A.Sorin
<b>13:00 – 15:00 Lunch</b>				
15:00 - 15:30	—	V.Sargsyan	A.Yakhno	R.Tanhayi
15:30 - 16:00	—	A.Gevorkyan	V.Papoyan	F.Tavakoli
16:00 - 16:30	—	H.Abajyan	P.Aslyan	

## 25 July, Monday

10.30	<b>OPENING</b>	
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*11.00 — 11.30 Coffee Break*

11.30	<b>Valentina Petkova</b> (Bulgaria) <i>TBA</i>	45 min.
12.15	<b>Alexey Isaev</b> (JINR, Dubna) <i>Algebraic approach to the integrable spin chains</i>	45 min

*13.00 — 15.00 Lunch*

*17.00 — The memorial meeting dedicate to Professor A.N.Sissakian  
in the Hause of Chamber Music*

## 26 July, Tuesday

9.30	<b>Melita Mnatsakanova</b> (Russia) <i>Irreducibility of the set of quantum field operators in noncommutative quantum field theory</i>	30 min
10.00	<b>Yury Vernov</b> (Russia) <i>Haag's theorem in noncommutative quantum field theory</i>	30 min
10.30	<b>Sergey Gevorgyan</b> (JINR, Dubna) <i>Final state interaction of pions in kaon decays</i>	30 min

### 11.00 — 11.30 Coffee Break

11.30	<b>Ashot Gasparyan</b> (USA) <i>New High Precision Measurement of the Neutral Pion Life Time</i>	45 min
12.15	<b>Andrzej Gozdz</b> (Poland) <i>Symmetries in intrinsic frame</i>	45 min

### 13.00 — 15.00 Lunch

15.00	<b>Vazgen Sargsyan</b> (JINR, Russia) <i>Quantum Non-Markovian Langevin Equations and Transport Coefficients</i>	30 min
15.30	<b>Ashot Gevorgyan</b> (Armenia) <i>Fundamental Environment and Problem of Separability in Quantum Physics</i>	30 min
16.00	<b>Hakob Abajyan</b> (Armenia) <i>Classical spin glass system in external field with taking into account relaxation effects</i>	30 min

## 27 July, Wednesday

9.30	<b>Ivanhoe Pestov</b> (JINR, Dubna) <i>Symmetry and unification of general relativity and quantum mechanics</i>	30 min
10.00	<b>Vladimir Belokurov</b> (Russia) <i>Quantum Field Theory on Loop Space</i>	30 min
10.30	<b>Arsen Khvedelidze</b> (JINR, Dubna) <i>On the geometric probability of a mixed entangled two-qubit states</i>	30 min

### 11.00 — 11.30 Coffee Break

11.30	<b>Ruben Manvelyan</b> (Armenia) <i>TBA</i>	45 min
12.15	<b>Tigran Tchrakian</b> (Ireland) <i>New Chern-Simons densities in both odd and even dimensions</i>	30 min

### 13.00 — 15.00 Lunch

15.00	<b>Alexander Yakhno</b> (Mexico) <i>Lie Algebra Contractions and Separation of Variables on Two-Dimensional 1-sheet Hyperboloid. Basis Functions and Interbasis Expansions</i>	30 min
15.30	<b>Vladimir Papoyan</b> (JINR, Dubna) <i>The helix-coil transition in double-stranded polynucleotide and two-dimensional random walk</i>	30 min
16.00	<b>Petros Aslanyan</b> (JINR, Dubna) <i>Recent results for dihyperon states</i>	30 min

*18:00 — Excursion to Ashtarak to the House of Academician Norair Sissakian  
and Baquete in canyon*

## 28 July, Thursday

9.30	<b>Cestmir Burdik</b> (Czech Republic) <i>Extremal vektors for Verma type representation of <math>su(2,2)</math></i>	30 min
10.00	<b>Hayk Sarkisyan</b> (Armenia) <i>Spherical nanolayers:optical properties and two electronic states</i>	30 min
10.30	<b>Alexandery Gusev</b> (JINR, Dubna) <i>Perturbation theory for spheroidal quantum dots</i>	30 min

11.00 — 11.30 Coffee Break

11.30	<b>Sergue Vinitzky</b> (JINR, Dubna) <i>Perturbation theory for spheroidal quantum dots</i>	45 min
12.15	<b>Alexander Sorin</b> (JINR, Dubna) <i>Integrable structure of black holes in supergravity</i>	30 min

13.00 — 15.00 Lunch

15.00	<b>Mohammad Reza Tanhayi</b> (Iran) <i>Observable Quantities in the Weyl Gravity</i>	30 min
15.30	<b>Farhad Tavakoli</b> (Iran) <i>Freely falling charge in de Sitter universe in non-relativistic limit</i>	30 min

## 29 July, Friday

12:00 — 12:00, Excursion to the lake Sevan