Sunday, June 26
MORNING SESSION 09:00–12:55
Special Session in honour of Felix Berezin
Chairman: A. Stepin

09:00–09:15 Opening
09:15–09:30 Some words about the Teacher.
   Anatole M. STEPIN, Moscow State University, Russia
09:35–10:30 Berezin integral and Berezinian: from identities in the Grothendieck ring of the general linear supergroup to the geometry of Batalin–Vilkovisky quantisation.
   Hovhannes KHUDAVERDIAN, University of Manchester, United Kingdom
10:30–11:00 Coffee break
11:00–11:55 Geometric methods in representation theory of Lie supergroups.
   Vera SERGANOVA, University of California at Berkeley, USA
12:00–12:55 Generalized complex geometry and supermanifolds.
   Arkady VAINTROB, University of Oregon, USA

AFTERNOON SESSION 14:30–17:20
Special Session in honour of Felix Berezin
Chairman: A. Odesski

14:30–15:10 Berezin’s coherent states, symbols and transform revisited.
   Martin SCHLICHENMAIER, Université de Luxembourg, Luxembourg
15:15–15:45 Double Lie algebroids and their global forms.
   Kirill MACKENZIE, University of Sheffield, United Kingdom
15:45–16:15 Coffee break
16:15–16:45 BRST complex for general dynamics.
   Simon LYAKHOVICH, Tomsk State University, Russia
16:50–17:20 Graded geometry and a new class of algebras arising from "non-linear" Lie algebroids.
   Theodore VORONOV, University of Manchester, United Kingdom
Monday, June 27
MORNING SESSION 09:00–12:50
Special Session in honour of Felix Berezin
Chairman: S. Gindikin

09:00–09:55 *Infinitesimal deformations of a formal symplectic groupoid.*
Alexander KARABEGOV, Abilene Christian University, USA

10:00–10:55 *Action of Sp(2n) on sheaves.*
Dmitry TAMARKIN, Northwestern University, USA

10:55–11:20 Coffee break

Vasily DOLGUSHEV, Temple University, USA

12:20–12:50 *Operad of little cubes and long knots.*
Victor TURCHIN, Kansas State University, USA

AFTERNOON SESSION 14:30–17:45
Special Session in honour of Felix Berezin
Chairman: S. Lyakhovich

14:30–15:00 *Geometry of dual pairs of complex supercurves.*
Jeffrey RABIN, University of California at San Diego, USA

15:05–15:35 *Berezin quantization on para-Hermitian symmetric spaces.*
Vladimir MOLCHANOV, Derzhavin Tambov State University, Russia

15:35–16:05 Coffee break

16:05–16:35 *Cohomological Laplace transform.*
Simon GINDIKIN, Rutgers University, USA

16:40–17:10 *Quantum configuration spaces of extended objects, diffeomorphism group representations, and exotic statistics.*
Gerald GOLDIN, Rutgers University, USA

17:15–17:45 *Some non-standard aspects of coherent state quantization.*
Syed Twareque ALI, Department of Mathematics and Statistics, Concordia University, Canada
Tuesday, June 28

MORNING SESSION 09:00–13:10
Special Session in honour of Bogdan Mielnik
Chairman: Oscar Rosas-Ortiz

09:00–10:00 Dynamic Casimir effect: A global view.
Iwo BIAŁYNNICKI-BIRULA, Centum Fizyki Teoretycznej, PAN, Poland

10:05–11:00 Mielnik’s achievements on quantum control in Mexico.
David J. FERNÁNDEZ C., Departamento de Física, Cinvestav, Mexico

11:00–11:25 Coffee break

Karol ŻYCZKOWSKI, Instytut Fizyki, Uniwersytet Jagielloński, Poland

Jean-Pierre ANTOINE, Université Catholique de Louvain, Belgium

13:00–13:10 World Anti-Bureaucratic.
Bogdan MIELNIK, Departamento de Física, Cinvestav, Mexico

AFTERNOON SESSION 1 (Museum) 14:30–18:00
Special Session in honour of Bogdan Mielnik
Chairman: Anatol Odzijewicz

Ingemar BENGTSSON, Stockholm University, Sweden

15:30–16:00 Time operator on a circle.
Maciej PRZANOWSKI, Instytut Fizyki, Politechnika Łódzka, Poland

16:00–16:20 Coffee break

16:20–16:50 Groups and semigroups in quantum mechanics.
Arno BOHM, Department of Physics, University of Texas at Austin, USA

16:55–17:25 Canonical association of decay semigroups with quantum mechanical scattering systems.
Hellmut BAUMGÄRTEL, University of Potsdam, Germany

17:30–18:00 Reflection time delay for rectangular potentials in a semi-harmonic background.
Oscar ROSAS-ORTIZ, Departamento de Física, Cinvestav, Mexico

AFTERNOON SESSION 2 (Governor’s House) 14:30–17:15
Chairman: Ivailo Mladenov

14:30–15:00 Natural bi-integrable systems on the Riemannian manifolds.
Andrey TSIGANOV, St. Petersburg State University, Russia

Sergey LEBLE, Politechnika Gdańska, Poland

15:40–16:00 On maximal R-split tori invariant under an involution.
Catherine BUELL, North Carolina State University, USA

16:00–16:30 Coffee break

16:30–16:50 Physically acceptable solutions of an eigenvalue equation in deformation quantization.
Jaromir TOSIEK, Instytut Fizyki, Politechnika Łódzka, Poland

16:55–17:15 Poisson Lie T-plurality and supermanifolds.
Vojtech STEPAN, České Vysoké Učení Technické v Praze, Czech Republic
Wednesday, June 29
MORNING SESSION 09:00–13:00
Special Session in honour of S. Lech Woronowicz
Chairman: Jerzy Kijowski

09:00–10:00 On Woronowicz approach to quantum group theory.
Wiesław PUSZ, Katedra Metod Matematycznych Fizyki, Uniwersytet Warszawski, Poland

10:05–11:00 Twisting adjoint module algebras and non-commutative geometry.
Petr KULISH, St. Petersburg Department of the Steklov Mathematical Institute, Russia

11:00–11:30 Coffee break

Marek BOŻEJKO, Instytut Matematyczny, Uniwersytet Wrocławski, Poland

12:30–13:00 Homomorphisms of quantum groups.
Sutanu ROY, Georg-August-Universität Göttingen, Germany

AFTERNOON SESSION 1 (Museum) 14:30–17:35
Special Session in honour of S. Lech Woronowicz
Chairman: Petr Kulish

14:30–15:00 Fractional Fourier transform and symplectic quantization.
Jerzy KIJOWSKI, Centrum Fizyki Teoretycznej, PAN, Poland

15:05–15:35 On a certain approach to quantum homogeneous spaces.
Paweł KASPRZAK, Katedra Metod Matematycznych Fizyki, Uniwersytet Warszawski, Poland

15:35–16:05 Coffee break

16:05–16:35 Unbounded induced ∗-representations.
Yuriy SAVCHUK, Universität Leipzig, Germany

16:40–17:10 Cuntz–Krieger uniqueness theorem for C∗-algebras with circle gauge action.
Bartosz KWAŚNIEWSKI, Instytut Matematyki, Uniwersytet w Białymstoku, Poland

17:15–17:35 Quantum entropy and information geometry based on non-commutative integration.
Ryszard KOSTECKI, Instytut Fizyki Teoretycznej, Uniwersytet Warszawski, Poland

AFTERNOON SESSION 2 (Governor’s House) 14:30–17:20
Chairman: Sara Cruz y Cruz

14:30–14:50 Deformation quantization of cosmological models.
Francisco J. TURRUBIATES, Escuela Superior de Física y Matemáticas del Instituto Politécnico Nacional, Mexico

Gustavo ARCINIEGA, Facultad de Ciencias, UNAM, Mexico

15:20–15:40 Symmetries of the chiral Potts model.
Teresia MÅNSSON, Royal Institute of Technology, Sweden

15:40–16:10 Coffee break

16:10–16:30 The projectivization of conformal models of fibrations determined by the algebra of quaternions.
Irina KUZMINA, Kazan State University, Russia

16:35–16:55 Geodesic mappings of n-dimensional surfaces of revolution.
Irena HINTERLEITNER, Vysoké učení technické v Brně, Czech Republic

17:00–17:20 Quantum charged rigid Dirac bubble.
Ruben CORDERO, Escuela Superior de Física y Matemáticas del Instituto Politécnico Nacional, Mexico
Thursday, June 30
MORNING SESSION 09:00–12:50
Special Session in honour of Felix Berezin
Chairman: Alexander Karabegov

09:00–09:55 Racah operators for representations of groups.
Rais ISMAGILOV, Bauman Moscow State Technical University, Russia

10:00–10:55 Multivariate characteristic functions and double coset spaces for infinite-dimensional groups.
Yurii NERETIN, Institute for Theoretical and Experimental Physics, Russia

10:55–11:20 Coffee break

Victor PALAMODOV, Tel Aviv University, Israel

12:20–12:50 Series over Schur functions, interpolationg ensembles and $O(2\infty)$ BKP tau-function.
Alexander ORLOV, Laboratory of Nonlinear Wave Processes, P.P. Shirshov Institute of Oceanology, Russia

AFTERNOON SESSION 1 (Museum) 14:30–17:00
Chairman: Armen Sergeev

14:30–15:00 Lax integrable systems and Knizhnik–Zamolodchikov equation.
Oleg SHEINMAN, Steklov Mathematical Institute, Russia

15:05–15:35 Integrable $(2 + 1)$-dimensional systems of hydrodynamic type.
Alexandre ODESSKI, Brock University, Canada

15:35–16:05 Coffee break

16:05–16:35 Poisson reduction on the space of curves in $\mathbb{R}^n$.
Ian MARSHALL, Higher School of Economics, Russia

16:40–17:00 Locally free sheaves on complex supermanifolds.
Elizaveta VISHNYAKOVA, Ruhr-Universität Bochum, Germany

POSTER SESSION 17:00–18:00
in the hall

AFTERNOON SESSION 2 (Governor’s House) 14:30–17:30
Chairman: Ingemar Bengtson

14:30–15:00 Non-Markovian evolution of quantum systems.
Dariusz CHRUŚCIELSKI, Uniwersytet Mikolaja Kopernika, Poland

Nuno SA, Universidade dos Açores, Portugal

Sara CRUZ Y CRUZ, UPIITA, Instituto Politécnico Nacional, Mexico

15:50–16:20 Coffee break

16:20–16:40 Quantum discord for generalized entropies.
Jacek JURKOWSKI, Uniwersytet Mikolaja Kopernika, Poland

16:45–17:05 On geodesic mappings of special Riemannian spaces.
Josef MIKES, Univerzita Palackého v Olomouci, Czech Republic

17:10–17:30 Jet approach to superfield quantization.
Dmitry KANIN, Steklov Mathematical Institute, Russia
Friday, July 1
AFTERNOON SESSION 1 (Museum) 14:30–17:35
Chairman: Andrei Shafarevich

14:30–15:25  
Loewner–Kufarev evolution in the universal Grassmannian.  
Alexander VASILIEV, University of Bergen, Norway

15:30–16:00  
Discriminant separability and quad-graph integrability.  
Vladimir DRAGOVIĆ, University of Lisbon/Math. Institute SANU Belgrade, Portugal/Serbia

16:00–16:30  
Coffee break

16:30–17:00  
Hidden symmetries and complete integrability in higher dimensional black holes.  
Valeri FROLOV, University of Alberta, Canada

17:05–17:35  
Short-time asymptotics of the diffusion semigroups and beyond.  
Stanislav STEPIN, Instytut Matematyki, Uniwersytet w Białymstoku, Poland

AFTERNOON SESSION 2 (Governor’s House) 14:30–17:20
Chairman: Norbert Hounkonnou

14:30–14:50  
Serret’s curves, their generalization and explicit parameterizations.  
Ivaňo MLADENOV, Bulgarian Academy of Sciences, Bulgaria

14:55–15:15  
Sub-Riemannian geometry on the group of diffeomorphisms of the circle.  
Erlend GRONG, University of Bergen, Norway

15:20–15:40  
Coarea formula for smooth contact mappings of Carnot–Carathéodory spaces.  
Sergey VODOPYANOV, Sobolev Institute of Mathematics, Russia

15:40–16:10  
Coffee break

16:10–16:30  
Rigidity of isometries on complexified Heisenberg group.  
Daria ISANGULOVA, Sobolev Institute of Mathematics, Russia

16:35–16:55  
Morse-Sard theorem for Sobolev functions and applications in fluid mechanics.  
Mikhail KOROBKOV, Sobolev Institute of Mathematics, Russia

17:00–17:20  
Inversion of the X-ray transform of symmetric tensor fields.  
Aleksander DENISIUK, Uniwersytet Warmińsko–Mazurski, Poland
Saturday, July 2

MORNING SESSION 09:00–12:10
Chairman: Kirill Mackenzie

09:00–09:55  Harmonic spheres conjecture.
Armen SERGEEV, Steklov Mathematical Institute, Russia

10:00–10:30  Properties of classical Hamiltonian systems and quantum packets on graphs and singular spaces.
Andrei SHAFAREVICH, Moscow State University, Russia

10:30–11:00  Coffee break

11:00–11:20  Classical and quantum evolution on Siegel–Jacobi domains.
Stefan BERCEANU, “Horia Hulubei” National Institute of Physics and Nuclear Engineering, Romania

11:25–11:45  Polynomial dynamical systems and elliptic curves.
Elena BUNKOVA, Steklov Mathematical Institute, Russia

11:50–12:10  Deformation quantization of harmonic oscillator in a general noncommutative phase space: Energy spectrum in relevant representations.
Mahouton Norbert HOUNKONNOU, University of Abomey-Calavi, Benin

AFTERNOON SESSION 14:30–16:30
Chairman: Klaus Bering

14:30–14:50  Two types of \( E \)-discretization of tori of compact semisimple Lie groups.
Jiří HRIVNÁK, České Vysoké Učení Technické v Praze, Czech Republic

Petr NOVOTNÝ, České Vysoké Učení Technické v Praze, Czech Republic

15:15–15:45  Coffee break

15:45–16:05  Complex solutions to Painlevé IV equation through SUSY QM.
David BERMÚDEZ, Departamento de Física, Cinvestav, Mexico

16:10–16:30  Homogeneity bundles.
Mikołaj RÓTKIEWICZ, Uniwersytet Warszawski, Poland