

Conference held at SFU hosted scholars from world famous universities and research centres

SFU hosted internationally renowned scholars of algebra and geometry on complex variables for a conference held in the honour of Boris Shabat (1917-1987) from 15 through 20 August.

Coming from universities and research centres in Japan, Uzbekistan, North America, Europe and Russia, presenters addressed topics including: holomorphic continuations and symplectic topology, residues and duality, geometry of discriminants, amoebas and coamoebas, topology of singular divisors and their complements, geometry and combinatorics of hyperplane arrangements.

The conference was held in the honour of the prominent Soviet mathematician and teacher, Boris Shabat, whose work and teaching practices influenced the emergence and development of research in complex analysis.

Speakers included:

- [M. Passare](#), Stockholm University, Sweden: *Amoebas, Coamoebas, and Their Relation to Hypergeometric Functions*
- S.Y. Nemirovsky, Steklov Mathematical Institute, Russian Academy of Sciences: *Complex Analysis and Symplectic Topology*
- [D. Cox](#), [Department of Mathematics and Computer Science, Amherst College](#), USA: *Toric Residues*
- [J. Sekiguchi](#), [Tokyo University of Agriculture and Technology](#), Japan: *Saito Free Divisors Arising from Some of 14 Exceptional Families of Arnold*
- E.M. Chirka, [Steklov Mathematical Institute](#), Russian Academy of Sciences: *On the Removable Singularities of Complex Structures*
- A.V. Shchuplev, [Stockholm University](#), Sweden: *Topic Varieties As Complete Intersections of Topic Hypersurfaces*
- A. Sadullaev, Khorezm University, Uzbekistan: *Pluriharmonic Continuation in a Fixed Direction*
- [S.A. Pinchuk](#), [Indiana University](#), USA: *Boundary Regularity of Biholomorphic Images*
- N.G. Kruzhilin, [Steklov Mathematical Institute](#), Russian Academy of Sciences: *Proper Lie Group Actions on Complex Manifolds*
- V.K. Beloshapka, [Moscow State University](#), Russia: *Real Submanifolds of a Complex Space and Classical Invariant Theory: New Unexpected Relations*
- A.G. Sergeev, [Steklov Mathematical Institute](#), Russian Academy of Sciences: *Quantization of the Universal Teichmüller Space*
- J. Aniansson, [Royal Institute of Technology](#), Stockholm, Sweden: *Fischer Kernels and the Cauchy Problem for the Wave Equation*
- S. Tanabe, [Kumamoto University](#), Japan: *Transposition Mirror Symmetry Construction and Period Integrals*
- E.N. Materov, [Department of Mathematics and Computer Science, Amherst College](#), USA: *Tate Resolutions for Products of Projective Spaces*
- A.B. Shabat, [Landau Institute for Theoretical Physics](#), Russian Academy of Sciences: *Model Equation for Solitons Theory*
- K. Ueda, [Osaka University](#), Japan: *Stokes Matrices for the Quantum Cohomologies of Grassmannians*
- [E. Tevelev](#), [University of Massachusetts](#), USA: *Mori-theoretic and Tropical Aspects of Terada, Narki, and Sekiguchi Cross-ratio Varieties*
- L. Nilsson, [Stockholm University](#), Sweden: *Domains of Convergence for A-hypergeometric Series*
- Vik.S. Kulikov, [Steklov Mathematical Institute](#), Russian Academy of Sciences: *Fundamental Groups of Complements of Pseudoholomorphic Curves in CP^2*
- A. Sukhov, University of Lille, France: *Pseudoholomorphic Discs in Stein Manifolds*
- T. Abe, [Hokkaido University](#), Japan: *Multiplicity Lattice on 2-arrangements*
- G.B. Shabat, [The Russian State University for the Humanities](#), Moscow, Russia: *Visualizing Algebraic Curves: from Riemann to Grothendieck*
- Y. Kawahara, Tokyo Metropolitan University, Japan: *Hodge Structure of the Twisted Cohomology on the Complement of Hyperplanes*
- M. Yoshinaga, [Research Institute for Mathematical Sciences, Kyoto University](#), Japan: *Logarithmic Vector Fields Along Smooth Plane Cubic Curves*
- K. Takeuchi, [Tsukuba University](#), Japan; Y. Matsui, [University of Tokyo](#), Japan: *Microlocal Study of Lefschetz Fixed Point Formulas*
- S. Tajima, [Niigata University](#), Japan: *Standard Bases and Algebraic Local Cohomology Classes*
- S.V. Znamensky, [Program Systems Institute](#), Russian Academy of Sciences: *The Classes of Domains Related with Linear Operator on Holomorphic Functions*
- [M. Roczen](#), Humboldt-Universität zu Berlin – Institut für Mathematik, Germany: *On String-Theoretic Invariants of Isolated Singularities*
- V. Crispin, [Stockholm University](#), Sweden: *On Minimal Reductions of Ideals*
- A.G. Alexandrov, Institute for Control Sciences, Russian Academy of Sciences: *Current and Future Trends in the Theory of Logarithmic Differential Forms*

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