

International Online Conference
Algebraic and Geometric Methods of Analysis

Odesa, Ukraine
May 24-29, 2022

The conference will hold in the program **ZOOM** at the following link:

- [Link to zoom session](#)
- Conference id: 882 1605 0576
- Password: 240522

Please pay attention that all times are shown in Kyiv time zone: **GMT+3**.

[Check Current Kyiv time](#)

The schedule might change, so please check it regularly.

Tuesday 24, May

9:40 - 10:00 **Opening**

Morning section

Chairman: Sergiy Maksymenko

10:00 - 10:40 **Andrei Teleman** – *Extension theorems for holomorphic bundles on complex manifolds with boundary*

10:45 - 11:25 **Piotr Mormul** – *Nilpotent approximations in the Goursat Monster Tower*

11:30 - 11:50 **Jia-Li Mo** – *The geometrical properties of the degenerations of curves and surfaces*

Chairman: Konovenko Nadiia

12:00 - 12:40 **Sergiy Maksymenko** – *Topological actions of wreath products*

12:45 - 13:05 **Jean-Pierre Magnot** – *On diffeological principal bundles of non-formal pseudo-differential operators over formal ones*

Day section

Chairman: Enzo Bonacci

14:00 - 14:20 **Vladimir Chernov** – *Some questions about virtual Legendrian knots*

14:25 - 14:45 **Luca Di Beo** – *Morse-Smale Flows in the Boy's surface*

14:50 - 15:10 **Olexandr Prishlyak** – *Structures of optimal flows on the Boy's and Girl's surfaces*

15:15 - 15:35 **Kyznietsova Iryna, Soroka Yuliia** – *Geometric interpretation of first Betti numbers of orbits of smooth functions*

Chairman: Luca Di Beo

15:50 - 16:10 **Omer Gok** – *Unbounded order and norm convergence of some operators on Banach lattices*

16:15 - 16:35 **Enzo Bonacci** – *Topological issues about the 6D ISST in Physics*

16:40 - 17:00 **Tetiana Obikhod** – *The role of topological invariants in the study of the early evolution of the Universe*

17:05 - 17:25 **Francisco Bulnes** – *Characterized cycles integration on D-modules as solutions in L-holomorphic bundles*

Wednesday 25, May

Morning section

Chairman: Nadiia Konovenko

9:30 - 10:10 **Yuriy Drozd** – *Morita equivalence of non-commutative Noetherian schemes*

10:20 - 10:40 **David Cheban** – *One-dimensional Monotone Non-autonomous Dynamical Systems and Strange Nonchaotic Attractors.*

10:50 - 11:10 **Kaveh Eftekharinasab** – *Some critical points theorem for Frechet manifolds*

Chairman: Omer Gok

11:20 - 11:40 **Vasyl Fedorchuk** – *On partial preliminary group classification of some class of $(1+3)$ -dimensional Monge-Ampere equations. One-dimensional Galilean Lie algebras.*

11:45 - 12:05 **Nabil Saouli** – *Regularization method for a inverse problem*

Day section

Chairman: Olexandr Prishlyak

14:00 - 14:40 **Meirav Amram** – *On the algorithm of degenerations and fundamental groups as a tool to understand algebraic surfaces*

14:45 - 15:05 **Ji-Young Ham** – *An explicit formula for the A -polynomial of the knot with Conway's notation $C(2n, 4)$*

15:10 - 15:30 **Володимир Кіосак** – *Про існування гедезично симетричних псевдоріманових просторів*

15:40 - 16:20 **Yaacov Kopeliovich** – *Solutions of Mumford second problem on theta functions*

16:25 - 16:45 **Jun Ueki** – *Recent progress in Iwasawa theory for knots an links (joint work with Ryoto Tange, Hyuga Yoshizaki, and Sohei Tateno)*

16:50 - 17:10 **Volodymyr Prokip** – *About solvability of the matrix equation $AX = B$ over Bezout domains*

17:15 - 17:35 **Dmytro Bolotov** – *Foliations on closed three-dimensional Riemannian manifolds with a bounded modulus of mean curvature of leaves*