International scientific conference
«Algebraic and geometric methods of analysis»

May 31 - June 5, 2017, Odesa, Ukraine

Odesa National Academy of Food Technologies,
Kanatna str. 112, building B, 3-rd floor, room B-301

Contacts: Konovenko Nadiya Grygorivna,
phones: +38 (050) 905-12-12, +38 (067) 171-16-42

Wednesday, 31 May

15:00–15:15 **Opening**

Chairman: **Prishlyak Aleksandr**

15:25-16:00 **Mance Bill.** *Normal numbers with respect to the Cantor series expansions and possible applications in algebraic geometry*

16:10-16:30 **Ayyildiz Nihat.** *On geometry of spatial kinematics in Lorentzian space*

Coffee break

16:50-16:55 **Turhan Tunahan.** *A study on the integral invariants of a closed spacelike ruled surface*

17:00-17:20 **Yildirim Selen.** *A study on rectifying curves in semi-Euclidean spaces*

Thursday, 1 June

Chairman: **Lyubashenko Volodymyr**

9:30-10:05 **Mormul Piotr.** *Weak and strong nilpotentizability in the monster towers for flag distributions*

10:10-10:45 **Cherevko Yevhen.** *Конформно-голоморфно-проективні перетворення локально конформно-келерових многовидів*

Coffee break

11:15-11:50 **Ji Gao.** *The geometry of Banach space and fixed point of non-expansive mapping*

11:55-12:15 **Кузьмич Валерій.** *Кутова характеристика у метричному просторі*

12:15-12:35 **Herasymov Viacheslav.** *Polyadic topology on $\mathbb{Z}$ and linear differential equations in the ring $\mathbb{Z}[[x]]$*

12:35-13:30   **Excursion in Odesa National Academy of Food Technologies**

Lunch

Chairman: **Cherevko Yevhen**

15:00-15:20 **Gunduz Aras Cigdem.** *Some separation axioms in supra soft topological spaces*

15:25-15:45 **Vlasenko Igor.** *Wandering set of inner mappings*

15:50-16:10 **Бондар Ольга.** *Про ізотопність функцій леми Морса*

16:15-16:35 **Каминіна Олена.** *Використання демпфера пасивного типу для стабілізація малих коливань маятника змінної довжини*

17:00-18:00 **Welcome party**

Friday, 2 June

Chairman: **Vlasenko Igor**

9:30-10:05 **Khesin Boris.** *Geometry and integrability of pentagram maps*

10:10-10:45 **Maksymenko Sergiy.** *Stochastic flows on contractible manifolds*

Coffee break

11:15-11:50 **Pochinka Olga.** *On the existence of energy functions for dynamical systems (**Skype talk!**)*

11:55-12:30 **Batkhin Alexander.** *Some applications of the discriminant and resonance sets of a real polynomial*

12:35-12:55 **Lyubashenko Volodymyr.** *Moyal and Rankin-Cohen deformations of algebras*

Lunch

Chairman: **Matsumoto Koji**

15:00-15:20 **Mozel Valeriy.** *Движжения в геометрии Лобачевского и алгебры операторов Бергмана со сдвигами*

15:25-16:00 **Balan Vladimir.** *Tuning role of surface slices within urbanism-index fuzzy system hypersurfaces*

16:05-16:25 **Glazunov Nikolaj.** *Artin-Schreier coverings, Galois representations and density Sato-Tate distribution functions*

Coffee break

16:55-17:15 **Incesu Muhsin, Gürsoy Osman.** *The similarity invariants of integral B-splines*

17:20-17:40 **Гук Христина.** *Критерій розщеплення у просторі Пелі-Вінера*

17:45-18:05 **Bonacci Enzo.** *A new method in geometry from a germinal approach to power sums (**Skype talk!**)*

<div align="center">**Satudray, 3 June**</div>

Chairman: **Maksymenko Sergiy**

9:30-10:05 **Prishlyak Aleksandr, Гладиш Богдана.** *Deformation of a Morse function on a surface with the boundary*

10:10-10:45 **Açık Özgür.** *Field equations from geometric Killing spinors*

    Coffee break

11:00-11:35 **Matsumoto Koji.** *Warped product semi-slant submanifolds in locally conformal Kaehler manifolds*

11:40-12:00 **Стеганцева Полина, Гречнева Марина.** *Классификация точек поверхности пространства Минковского*

12:05-12:25 **Самохвалов Сергій.** *Theory of gravity in the affine frame*

    Coffee break

12:40-13:00 **Reinov Oleg.** *On nuclear operators with* $\mathrm{trace}(V) = 1$ *and* $V^2 = 0$

13:05-13:25 **Bardyla Serhii.** *On a semitopological α-bicyclic semigroup*

13:30-13:50 **Ertem Ümit.** *Twistors, harmonic spinors and symmetry operators*

13:50-14:10 **Muradoglu Zahir.** *A study for decision making problems by using interval soft sets*

<div align="center">**Sunday, 4 June**</div>

Excursion

<div align="center">**Monday, 5 June**</div>

Free day