

# Međunarodna gostovanja

## 2025. godina

- Ivan Jelić “Generalization of specification property to CR-dynamical systems”, (The 58th Spring Topology and Dynamics Conference, Newport News SAD, ozujak, 2025.)
- Ivan Jelić “Specification properties of CR-dynamical systems”, (The 2nd Maribor Workshop on Topological Dynamics, Continuum Theory, and related topics, Maribor, Slovenija, veljača, 2025.)
- Goran Erceg “Uncountable family of Lelek-like fans”, pozvano predavanje, (The 2nd Maribor Workshop on Topological Dynamics, Continuum Theory, and related topics, Maribor, Slovenija, veljača, 2025.)
- Jelena Pleština “The role of mathematics in advanced electrical engineering courses: a typical case of numerical integration”, priopćenje, (CERME14, Bolzano, Italija, veljača, 2025.)
- Domagoj Jelić “A note on  $\alpha$ -limit sets in the hyperspace of continua in dimension one”, pozvano predavanje, (The 2nd Maribor Workshop on Topological Dynamics, Continuum Theory, and related topics, Maribor, Slovenija, veljača, 2025.)

## 2024. godina

- Ivan Jelić “Specification properties in CR-dynamical systems ”(The 38th Summer Conference on Topology and Its Applications, Coimbra, Portugal, srpanj, 2024.)
- Ivan Jelić “A note on the specification property”, priopćenje, (8th Croatian Mathematical Congress, Osijek, srpanj, 2024.)
- Ivan Jelić “A note on finite coarse shape groups ”, pozvano predavanje, (The 1st Maribor Workshop on Topological Dynamics, Continuum Theory, and related topics, Maribor, Slovenija, siječanj, 2024.)
- Ana Perišić, ”Similarity coefficients for two sets of binary classifiers: methodology and applications”, pozvano predavanje, (Young Statisticians Meeting 2024, Gödöllő, Mađarska, rujan 2024.)
- Ana Perišić, ”Measuring similarity in consensus agreement between two binary classifier sets”, priopćenje, (20th International Conference on Operational Research KOI 2024, Brela, rujan 2024.)
- Ana Perišić, “Similarity coefficients for two sets of binary classifiers”, priopćenje, (9th European Congress of Mathematics, Seville, Španjolska, srpanj 2024.)
- Tea Martinić Bilać, Realizations of the Extended Snyder model, priopćenje (8th Croatian Mathematical Congress Osijek, Hrvatska, 02.07.2024-05.07.2024)
- Dino Peran, Linearization of germs with logarithmic asymptotic bounds on Riemann surface of the logarithm, priopćenje (8th Croatian Mathematical Congress Osijek, Hrvatska, 02.07.2024-05.07.2024)
- Andrijana Ćurković, “Asymptotic analysis of heat transfer in flow through a thin dilated pipe”, priopćenje, (8th Croatian Mathematical Congress, Osijek, srpanj, 2024.)
- Marcela Mandarić „Topological data analysis for random sets and its application in detecting outliers and goodness of fit testing“, poster, (8th Croatian Mathematical Congress, srpanj 2024., School of Applied Mathematics and Informatics Osijek)
- Marcela Mandarić „Topological data analysis for random sets and its application in detecting outliers and goodness of fit testing“, MYA Lightning Talk, (9th European Congress of Mathematics, Sevilla, srpanj, 2024.)
- Pavao Radić, “New results on D(4)-m-TUPLES” , poster, (8th Croatian Mathematical Congress, Osijek, srpanj, 2024.)

- Pavao Radić, “D(4)-m-tuples” , EMYA Lightning Talk, (9th European Congress of Mathematics, Sevilla, srpanj 2024)
- Dino Peran, Linearization of various germs on the Riemann (surface of the logarithm, poster Dubrovnik X - Topology and Dynamical Systems Dubrovnik, Hrvatska, 24.06.2024-28.06.2024)
- Gordan Radobolja, “Galilean and Takiff vertex-operator algebras”, priopćenje, (ECM2024, Sevilja, srpanj 2024.)
- Stipe Marić “Finite model property of inquisitive modal logic via selection”, priopćenje, (8th Croatian Mathematical Congress , Osijek, Hrvatska, srpanj, 2024.)
- Domagoj Jelić “On limit sets and equicontinuity in the hyperspace of continua in dimension one”, priopćenje, (The 38th Summer Conference on Topology and Its Applications, Coimbra, Portugal, srpanj, 2024.)
- Domagoj Jelić “On periods of periodic points in the hyperspace of continua in dimension one”, priopćenje, (8th Croatian Mathematical Congress, Osijek, srpanj, 2024.)
- Goran Erceg “An uncountable family of smooth fans that admit transitive homeomorphisms”, pozvano predavanje, (The 38th Summer Conference on Topology and Its Applications, Coimbra, Portugal, srpanj, 2024.)
- Goran Erceg “Chaos on the Lelek fan and the Cantor fan”, priopćenje, (8th Croatian Mathematical Congress, Osijek, srpanj, 2024.)
- Borka Jadrijević ”Bases of  $\varepsilon$ –canonical number systems in quadratic number fields” , priopćenje, (8th Croatian Mathematical Congress, Osijek, srpanj, 2024.)
- Marcela Mandarić „Topological data analysis for random sets and its application in detecting outliers and goodness of fit testing“, poster, (22nd Workshop on Stochastic Geometry, Stereology and Image Analysis in Bad Herrenalb, Njemačka, lipanj, 2024.)
- Marcela Mandarić „Topological data analysis for random sets and its application in detecting outliers and goodness of fit testing“, poster, (3rd Korean Croatian Summer Probability Camp, Šibenik, lipanj, 2024.)
- Vesna Gotovac Đogaš “Comparison of random sets distributions via statistical depths”, poster, (3rd Korean Croatian Summer Probability Camp, Šibenik, lipanj, 2024.)
- Jelena Pleština “How the Bologna Process changed the teaching of mathematics for engineering: the case of Croatia and Spain”, priopćenje, (INDRUM2024, Barcelona, Španjolska, lipanj, 2024.)
- Vesna Gotovac Đogaš “Comparison of random sets distributions via statistical depths”, priopćenje, (22nd Workshop on Stochastic Geometry, Stereology and Image Analysis, Bad Herrenalb, Njemačka, lipanj, 2024.)
- Jelena Pleština “How the Bologna Process changed the teaching of mathematics for engineering: the case of Croatia and Spain”, pozvano predavanje, (Seminarios TAD, Campus Mundet, Edifici Llevant, Barcelona, Španjolska, svibanj, 2024. [online])
- Andrijana Ćurković, “Asymptotic analysis of heat transfer in flow through dilated pipe”, priopćenje, (Multi-scale methods for reactive flow and transport in complex elastic media, Conference in memory of prof. Andro Mikelić, Dubrovnik, ožujak 2024.)
- Goran Erceg “Chaos and mixing homeomorphisms on fans”, pozvano predavanje, (57th Spring Topology and Dynamics Conference [online], Charlotte, SAD, ožujak, 2024.)
- Stipe Marić “Finite model property and decidability of inquisitive modal logic”, priopćenje, (InqML workshop, Padova, Italija, veljača, 2024.)

- Vesna Gotovac Đogaš “Comparison of random sets distributions via statistical depths”, priopćenje, (STOCHASTIKA 2024, Kohútka, Češka, veljača, 2024.)
- Goran Erceg “Quotients of dynamical systems”, pozvano predavanje, (The 16th Devonport Topology Festival, Auckland, Novi Zeland, veljača, 2024.)
- Nikola Koceić-Bilan “A topological point of view to differentiability”, pozvano predavanje, (The 1st Maribor Mini Workshop on Topological Dynamics, Continuum Theory, and related topics, Maribor, Slovenija, siječanj, 2024.)
- Goran Erceg “Quotients of dynamical systems”, pozvano predavanje, (The 1st Maribor Mini Workshop on Topological Dynamics, Continuum Theory, and related topics, Maribor, Slovenija, siječanj, 2024.)
- Ivan Jelić “A note on finite coarse shape groups”, pozvano predavanje, (The 1st Maribor Mini Workshop on Topological Dynamics, Continuum Theory, and related topics, Maribor, Slovenija, siječanj, 2024.)
- Domagoj Jelić “On limit sets in the hyperspace of continua in dimension one”, pozvano predavanje, (The 1st Maribor Mini Workshop on Topological Dynamics, Continuum Theory, and related topics, Maribor, Slovenija, siječanj, 2024.)

## 2023. godina

- Dino Peran, Normal forms for strongly hyperbolic logarithmic transseries and Dulac germs, priopćenje (Bifurcation of Dynamical Systems and Numerics Zagreb, 09.05.2023-11.05.2023)
- Vesna Gotovac Đogaš “Comparison of random sets distributions via statistical depths”, priopćenje, (New Perspectives in the Theory of Extreme Values, Dubrovnik, listopad, 2023.)
- Milica Klaričić Bakula “Jensen-Steffensen Inequality: Accentuate the Negative”, priopćenje, (International Conference on Functional Equations and Inequalities, Bedlewo, Poljska, rujan 2023.)
- Jelena Pleština “Ostensives and the development of mathematical praxeologies – the case of polynomials”, poster, (CERME13, Budimpešta, Mađarska, srpanj, 2023.)
- Domagoj Jelić “On recurrence and entropy in the hyperspace of continua in dimension one”, priopćenje, (The 10th Visegrad Conference on Dynamical Systems, Faculty of Mathematics and Computer Science, University of Lodz, srpanj, 2023.)
- Ivan Jelić “The finite coarse shape groups”, priopćenje, online, (The 37th Summer Conference on Topology and Its Applications, Youngstown, Ohio, SAD, srpanj, 2023.)
- Goran Erceg “A transitive homeomorphism on the Lelek fan”, pozvano predavanje, (The 37th Summer Conference on Topology and Its Applications, Youngstown, Ohio, SAD, srpanj, 2023.)
- Perišić Ana, “Asymmetric 2-group k-adic similarity coefficient”, priopćenje, (26th International Scientific Symposium on Biometrics, Zadar, lipanj 2023)
- Andrijana Ćurković, “The interaction between a thin fluid layer and an elastic plate”, pozvano predavanje, (Recent progress in quantitative analysis of multiscale media, Split, svibanj 2023)
- Marcela Mandarić “Nonparametric statistics for random sets via topological data analysis”, poster, (15th SSIAB Spatial Statistics and Image Analysis in Biology, Grenoble, Francuska, svibanj, 2023.)
- Vesna Gotovac Đogaš “Depth for samples of non-convex sets with applications to testing equality in the distribution of two samples of random sets”, priopćenje, (15th SSIAB Spatial Statistics and Image Analysis in Biology, Grenoble, Francuska, svibanj, 2023.)
- Goran Erceg “Transitive points in CR-dynamical systems”, pozvano predavanje, (56th Spring Topology and Dynamical Systems Conference [online], Rhodes, SAD, ožujak, 2023.)

- Borka Jadrijević "Characterization of quadratic  $\varepsilon$ -CNS polynomials and determination of all  $\varepsilon$ -CNS bases in quadratic number fields", pozvano predavanje, (Representation Theory XVIII, Dubrovnik, Hrvatska, lipanj 2023.)
- Borka Jadrijević "Characterization of quadratic  $\varepsilon$ -CNS polynomials", priopćenje, (25th Central European Number Theory Conference (CENT 2023), Sopron, Mađarska, kolovoz 2023.)
- Željka Zorić "Teachers as Researchers: A model of Professional Development", priopćenje, (The 1st International scientific symposium- Scientific Research in Mathematics Education, Pula, studeni 2023)
- Stipe Marić "Bisimulation quotient in inquisitive modal logic", priopćenje, (online, ESSLLI 2023, Ljubljana, Slovenija, kolovoz, 2023.)
- Stipe Marić "Some results in model theory of inquisitive modal logic", priopćenje, (Logic and Applications, Dubrovnik, Hrvatska, rujan, 2023.)

## 2022. godina

- Jelena Pleština "The notion of a polynomial in the secondary-tertiary transition", priopćenje, (INDRUM2022, Hannover, Njemačka, listopad, 2022.)
- Dino Peran, Analytic normalization of strongly hyperbolic (complex) Dulac germs, priopćenje (online, ICDEA 2022, Pariz, Francuska, 18.07.2022-22.07.2022., str. 27-28)
- Dino Peran, Analytic linearization of hyperbolic (complex) Dulac germs, priopćenje (7th Croatian Mathematical Congress, Split, Hrvatska, 2022. str. 66-66)
- Dino Peran, Normal forms for logarithmic transseries and Dulac germs, priopćenje (Bifurcations of dynamical systems workshop, Zagreb, Hrvatska, 09.02.2022-12.02.2022., str. 4-4)
- Dino Peran, Formal linearization of logarithmic transseries and analytic linearization of Dulac germs, pozvano predavanje (online, Mini-workshop on Transseries and Dynamical Systems, Toronto, Kanada, 30.05.2022-01.06.2022.)
- Dino Peran, Normal forms for logarithmic transseries, održan seminar (online, Geometry and Model Theory Seminar, The Fields Institute, Toronto, Kanada, 24.05.2022.)
- Nikola Koceić Bilan "A generalized approach to differentiability", pozvano predavanje, (7th Croatian Mathematical Congress Split, lipanj 2022.)
- Andrijana Ćurković, "Image binarization method for the detection of markers in bad lighting conditions", poster, (11th Conference on Applied Mathematics and Scientific Computing ApplMath22, Brijuni, rujan 2022)
- Marija Bliznac Trebješanin, " $D(4)$ -triples with two largest elements in common", priopćenje, (Conference on Diophantine m-tuples and related problems III, Zagreb, rujan, 2022.)
- Gordan Radobolja, "The  $N = 1$  Heisenberg-Virasoro VOSA at level zero", pozvano predavanje, (Infinite dimensional Lie algebras and related structures, Sapienza Università di Roma, Italija, rujan 2022.)
- Perišić Ana, "Late vs. early churn prediction and determinants", priopćenje, (19th International Conference on Operational Research, Šibenik, rujan 2022)
- Gordan Radobolja, "On certain vertex operator algebras", priopćenje, (IECMSA-2022, Istanbul, Turska, kolovoz 2022.)
- Perišić Ana, "Hybrid Distance Based Clustering of Mixed Type Data", priopćenje (11th International Eurasian Conference on Mathematical Sciences and Applications (IECMSA-2022), Istanbul, Turska, kolovoz 2022)

- Gordan Radobolja, “Vertex operator algebras and application”, predavanje, (Giresun University, Giresun, Turska, kolovoz 2022.)
- Perišić Ana, “Clustering mixed-type data for churn prediction”, predavanje, (Giresun University, Giresun, Turska, kolovoz 2022.)
- Jelena Pleština “How Did the Croatian Noosphere Respond to the Problem of the Shortage of Mathematics Teachers?”, priopćenje, (CITAD7, Barcelona, Španjolska, lipanj, 2022.)
- Gordan Radobolja, “On certain vertex algebras and their representations”, priopćenje, (ICMASE 2022, Bukurešt, Rumunjska, srpanj 2022.)
- Goran Erceg “Minimal Dynamical systems with closed relations II”, priopćenje, (36th Summer Topology Conference, Vienna, Austria, srpanj, 2022.)
- Vesna Gotovac Đogaš, “Two sample tests for the equality in distribution of random sets”, priopćenje, (21st Workshop on Stochastic Geometry, Stereology and Image Analysis, Nesuchině, Češka, lipanj 2022.)
- Milica Klaričić Bakula “Some generalizations of the Chebyshev inequality”, pozvano predavanje, (58th International Symposium on Functional Equations, Innsbruck, Austria, lipanj 2022.)
- Andrijana Ćurković, “Redistribution of geometry for enhanced NURBS model”, poster, (7th Croatian Mathematical Congress, Split, lipanj, 2022)
- Milica Klaričić Bakula “Chebyshev-Steffensen inequality involving the inner product”, priopćenje, (7th Croatian Mathematical Congress, Split, lipanj, 2022.)
- Vesna Gotovac Đogaš, “Simiarity between random sets based on their realisations consisting of many components”, priopćenje, (7th Croatian Mathematical Congress, Split, lipanj, 2022.)
- Goran Erceg “A sufficient condition for non-zero entropy of closed relations on  $[0,1]$ ”, priopćenje, (7th Croatian Mathematical Congress, Split, lipanj, 2022.)
- Marija Bliznac Trebješanin, “The regularity of  $D(4)-m$ -tuples”, poster, (7th Croatian Mathematical Congress, Split, lipanj, 2022.)
- Gordan Radobolja “Non-injective homomorphisms between certain Verma modules”, pozvano predavanje, (Workshop on Representation Theory and Applications, Sao Paulo, Brazil, travanj 2022.)
- Goran Erceg “Closed sets with non-zero entropy that generate no periodic points II”, priopćenje, (55th Spring Topology and Dynamical Systems Conference, Waco, TX, SAD, ožujak 2022.)
- Vesna Gotovac Đogaš “A new definition of random set and similarity of random sets consisting of many components”, priopćenje (online), (STOCHASTIKA 2021, Kohutka, Češka, veljača 2022.)
- Tea Martinić Bilać, “Generalized Weyl algebra applied to realizations of  $SO(n)$  algebra, Lorentz algebra and their extensions”, priopćenje, (7th Croatian Mathematical Congress, Split, lipanj, 2022.)
- Borka Jadrijević “Some classes of generalized number systems over rings of integers of imaginary quadratic number fields”, pozvano predavanje, (Representation Theory XVII, Dubrovnik, Hrvatska, listopad 2022.)
- Ana Laštre, “Implementation of basic geometric transformations in the construction process”, poster, (5th Croatian Conference on Geometry and Graphics, Dubrovnik, Hrvatska, 4.- 8. rujna 2022.)

## 2021. godina

- Dino Peran, Linearization of hyperbolic logarithmic transseries and Dulac germs, priopćenje, (online, 26th International Conference on Difference Equations and Applications, Sarajevo, BiH, 26.07.2021-30.07.2021, str. 189-189)
- Dino Peran, Normal forms for hyperbolic logarithmic transseries, priopćenje (online, 12th International Conference on Nonlinear Mathematics and Physics, NoLineal 20-21 Online, Madrid, Španjolska, 30.06.2021-02.07.2021., str. 55-55)
- Vesna Gotovac Đogaš "A new definition of random set", priopćenje, (Regular Variation and Related Themes, Dubrovnik, studeni 2021)
- Perišić Ana, "A hybrid dissimilarity measure for mixed-type data clustering", priopćenje, (25th International Scientific Symposium on Biometrics, Poreč, Croatia i online, rujan 2021)
- Jelena Pleština "The transition of the concept of a polynomial through linear algebra courses", priopćenje, (YERME11, Brixen, Italija, kolovoz, 2021.)
- Nikola Koceić Bilan "Algebraic topology invariants in the coarse shape", pozvano predavanje, (Workshop on Graphs, Topology and Topological Groups WGTTG 2021 [Online], Cape Town, Južnoafrička Republika, ožujak 2021)
- Nikola Koceić Bilan "Alternative approach to the coarse shape groups", priopćenje, (FIFTH INTERNATIONAL CONFERENCE OF MATHEMATICAL SCIENCES (ICMS 2021) [Online], Istanbul, Turska, lipanj 2021)
- Jelena Pleština "The transition of the concept of a polynomial through undergraduate mathematics courses", priopćenje, (The 8th International Scientific Colloquium Mathematics and Children, Osijek, Hrvatska, svibanj, 2021. [online])
- Borka Jadrijević "Determining elements of minimal index in some parametric families of bicyclic biquadratic fields", pozvano predavanje, (Monogenity and power integral bases. Online conference, Debrecen, Mađarska, siječanj 2021.)
- Željka Zorić "What do mathematics teachers believe about professional development, educational research, and teaching?", priopćenje, (The 8th International Scientific Colloquium Mathematics and Children, Osijek, svibanj 2021 [on line])
- Željka Zorić "MathDuel, a Math Game for High School", priopćenje, (The 8th International Scientific Colloquium Mathematics and Children, Osijek, svibanj 2021 [on line])

## 2019. godina

- Tanja Vučićić "Groups  $S_n \times S_m$  in construction of flag-transitive block designs", priopćenje, (9th Slovenian International Conference on Graph Theory, Bled, Slovenia, lipanj 2019)
- Borka Jadrijević "Simplest quartic and simplest sextic Thue equations over imaginary quadratic fields", pozvano predavanje, (Representation Theory XVI, Dubrovnik, lipanj 2019)
- Gordan Radobolja "On realization of Heisenberg-Virasoro VOA and Galilean W-algebras", pozvano predavanje, (Vertex algebras and related topics, Chengdu, NR Kina, kolovoz 2019)
- Marija Bliznac Trebješanin "Extensions of a  $D(4)$ -triple", predavanje, (Representation Theory XVI, Dubrovnik, lipanj 2019)
- Gordan Radobolja "Free field realization of twisted Heisenberg-Virasoro algebra at level zero and its applications", pozvano predavanje, (Algebra and geometry seminar, La Sapienza, Università di Roma, svibanj 2019)

- Nikola Koceić Bilan "Metrisation of the coarse shape groups", priopćenje, (21st Galway Topology Colloquium, University of Winchester, Engleska, lipanj 2019)
- Nikola Koceić Bilan "Contribution of the coarse shape to the algebraic topology", pozvano predavanje, (Geometric Topology - Celebrating the Year of Mathematics in Poland, Varšava, Poljska, rujan 2019)
- Milica Klaričić Bakula "Abstract machines and their connections with grammars and formal languages", predavanje, (Faculty of Mechanical Engineering and Computer Science, Bielsko-Biala, Poljska, listopad 2019.)
- Ivo Ugrina "Introductory Statistics I & II", pozvano predavanje, (4th Int'l Summer School on Data Science (SSDS 2019), Split, Croatia, rujan 2019)

## 2018. godina

- Saša Krešić-Jurić "Integrable Systems and Factorization Problems on Loop Groups", predavanje, (Izmir Institute of Technology, Turska, studeni 2018.)
- Gordan Radobolja "Some applications of vertex Algebras to representation theory of infinite-dimensional Lie algebras", priopćenje, (IECMSA, Kijev, Ukrajina, kolovoz 2018)
- Goran Erceg "A surprising example for topological entropy of set-valued functions", priopćenje, (International Conference on Topology and its Applications, Nafpaktos, Grčka, srpanj 2018.)
- Nikola Koceić Bilan "Topologization of the coarse shape groups", priopćenje, (International Conference on Topology and its Applications, Nafpaktos, Grčka, srpanj, 2018.)
- Andrijana Ćurković "Interaction of a thin fluid layer with an elastic plate", priopćenje, (Split Applied Mathematics Day 2018, Split, lipanj, 2018.)
- Goran Erceg "Topological entropy for closed subsets of the unit square", priopćenje, (25 years of Topology seminar in Split - Scientific meeting, Split, lipanj, 2018.)
- Vesna Gotovac "Similarity measures of random sets based on N-distances and their applications to two-realisation problem", priopćenje, (Conference "Stereology, Spatial Statistics and stochastic Geometry", Prag, Češka, lipanj, 2018.)
- Vesna Gotovac "Similarity measures of random sets based on N-distances and their applications to two-realisation problem", priopćenje, (Split Applied Mathematics Day 2018, Split, lipanj 2018.)
- Saša Krešić-Jurić "Hamiltonian integrable systems and geometric numerical integration", priopćenje, (Split Applied Mathematics Day 2018, Split, lipanj, 2018.)
- Tanja Vučićić "One approach to the construction of flag-transitive block designs", priopćenje, (Combinatorics 2018, Arco di Trento, Italija, lipanj, 2018.)
- Damir Vukicevic "MMR vaccination rates predicted by combining epidemic spread models, game theory, rumor mill, Fibonacci trading, and Google search statistics", priopćenje, (Split Applied Mathematics Day 2018, Split, lipanj, 2018.)
- Vesna Gotovac "Similarity measures of random sets based on N-distances and their applications to two-realisation problem", pozvano predavanje, (The 12th French-Danish Workshop on Spatial Statistics and Image Analysis in Biology, Aalborg, Danska, svibanj, 2018.)
- Gordan Radobolja "Free field realization of twisted Heisenberg-Virasoro algebra at level zero and  $W(2,2)$ -algebra", pozvano predavanje, (Vertex algebras and related topics, Zagreb, svibanj, 2018.)
- Milica Klaričić "Inequalities related to the Jensen inequality for strongly convex functions", priopćenje, (Mathematical Inequalities and Applications '18, Zagreb, Hrvatska, srpanj, 2018.)

- Jurica Perić "Improvements and generalizations of Converse Jensen's Inequality and the Jessen-Mercer Inequality", priopćenje (Mathematical Inequalities and Applications, Zagreb, Hrvatska, srpanj, 2018.)
- Tanja Vojković "Coloring and Multicoloring of Graphs to Secure a Secret", priopćenje (2nd Croatian Combinatorial Days, Zagreb, Hrvatska, rujan, 2018.)

## 2017. godina

- Borka Jadrijević "Computing relative power integral bases in a family of quartic extensions of imaginary quadratic fields", pozvano predavanje, (Institute of Mathematics, University of Debrecen, Mađarska, studeni 2017.)
- Marija Bliznac Trebješanin "Diophantine  $D(4)$ -m-tuples", poster, (20th International Workshop for Young Mathematicians "Number Theory", Krakov, Poljska, 17-23. rujna, 2017.)
- Borka Jadrijević "Determining elements of minimal index in some infinite families of bicyclic biquadratic number fields", priopćenje, (30th Journées Arithmétiques, Caen, Francuska, rujan, 2017.)
- Borka Jadrijević "On generalized Diophantine quadruples", poster, (Diophantine problems (DIOP), Manchester, Velika Britanija, rujan 2017.)
- Saša Krešić-Jurić "Integrable systems, geometry and group theory", pozvano predavanje, (Students to Students Split Summer School, Split, rujan, 2017.)
- Marija Bliznac Trebješanin "Nonexistence of  $D(4)$ -quintuples", priopćenje, (30th Journées Arithmétiques, Caen, Francuska, 3-7. srpnja, 2017.)
- Ivo Ugrina "Omics in Practice: From Raw Data to Results", pozvano predavanje, (Research MIMOmics Summer School, Cambridge, Velika Britanija, srpanj, 2017.)
- Nikola Koceić Bilan "The coarse shape theory (some topological and algebraic applications)", pozvano predavanje, (University of Perugia, Department of mathematics and computer science, Perugia, Italija, lipanj, 2017.)
- Nikola Koceić Bilan "On intersections of the exponential and logarithmic curves", pozvano predavanje, (University of Perugia, Department of mathematics and computer science, Perugia, Italija, lipanj, 2017.)
- Gordan Radobolja "On free field realization of the twisted Heisenberg-Virasoro algebra at level zero and  $W$ -algebra  $W(2, 2)$ ", priopćenje (The XXVth International Conference on Integrable Systems and Quantum symmetries, Prag, Češka, lipanj, 2017.)
- Gordan Radobolja "Construction of intertwining operators and logarithmic modules for Heisenberg-Virasoro vertex algebra at level zero and  $W(2, 2)$ -algebra", pozvano predavanje (Representation Theory XV, Dubrovnik, lipanj, 2017.)
- Tanja Vučićić "Flag-transitive block designs having  $S_n$  wr  $S_2$  as an automorphism group", priopćenje, (The Second Malta Conference on Graph Theory and Combinatorics, Qawra, Malta, lipanj, 2017.)
- Andrijana Ćurković "Asymptotic analysis of the interaction between a thin fluid layer and an elastic plate", poster, (Modern challenges in continuum mechanics, Zagreb, travanj, 2017.)
- Nikola Koceić Bilan "Topological coarse shape groups of compact metric spaces", priopćenje, (51st Spring Topology and Dynamical Systems Conference 2017, New Jersey, SAD, ožujak, 2017.)
- Saša Krešić-Jurić "Differential calculus on quantum spaces via deformation theory", pozvano predavanje, (Topological and Geometric Aspects of Quantum Spaces Field Theory and Causal Structure, SISSA, Trst, Italija, ožujak, 2017.)
- Vesna Gotovac "Testing equality in distribution of random convex compact sets via theory of random hedgehogs and  $\mathfrak{N}$ -distances", priopćenje, (Workshop "STOCHASTIKA 2017", Kohútka, Češka, veljača, 2017.)



## 2016. godina

- Vesna Gotovac "Assesing dissimilarity of random sets", priopćenje (Stochastic Modeling and Computational Statistics Seminar, Penn State Department of Statistics, USA, listopad, 2016.)
- Vesna Gotovac "Assessing dissimilarity of random sets using envelope test and test based on  $\mathfrak{N}$ -distances", pozvano predavanje, (Conference "Probabilistic and Statistical Models", Prag, Češka, listopad, 2016.)
- Nikola Koceić Bilan "Some topological and algebraic applications of the coarse shape theory", pozvano predavanje, (International Conference on Topology and its Applications, Ohrid, Makedonija, rujan, 2016.)
- Ivo Ugrina "Linear models (OLS, LASSO, ridge, Elastic Net and Logistic regression)", pozvano predavanje, (First International School in Data Science, Split, rujan, 2016.)
- Marija Bliznac Trebješanin "Upper bound on number of D(4)-quintuples", poster, (6th Croatian Mathematical Congress, Zagreb, lipanj, 2016.)
- Goran Erceg "Topological entropy for set-valued functions", (6th Croatian Mathematical Congress, Zagreb, lipanj, 2016.)
- Vesna Gotovac "Testing equality in distribution of random convex compact sets via theory of random hedgehogs and  $\mathfrak{N}$ -distances", priopćenje, (6th Croatian Mathematical Congress, Zagreb, lipanj, 2016.)
- Saša Krešić-Jurić "Realizations of Lie algebras, left-right duality, and differential forms on noncommutative spaces", priopćenje, (The XXIIInd International Conference on Integrable Systems and Quantum Symmetries, Prag, Češka, lipanj, 2016.)
- Ana Laštre "Orthonormal and Parseval wavelets with integer dilations", priopćenje, (6th Croatian Mathematical Congress, Zagreb, lipanj, 2016.)
- Gordan Radobolja "On free field realization of the twisted Heisenberg-Virasoro and  $W(2, 2)$  algebras", priopćenje (6th Croatian Mathematical Congress, Zagreb, lipanj, 2016.)
- Gordan Radobolja "Free field realization of the twisted Heisenberg-Virasoro algebra and  $W(2, 2)$ -algebra and applications to representation theory", priopćenje (Representation Theory Conference, Upssala, Švedska, lipanj, 2016.)
- Tanja Vučičić "Construction of flag-transitive block designs using flag-transitive incidence structures", priopćenje, (6th Croatian Mathematical Congress, Zagreb, lipanj, 2016.)
- Tanja Vučičić "Flag-transitive block designs with product of two symmetric groups as automorphism group", priopćenje, (Combinatorics 2016, Maratea, Italija, svibanj/lipanj, 2016.)
- Damir Vukicevic "Hydrophobicity Scale Grader", priopćenje, (IAMC meeting, Tianjin, China, lipanj, 2016.)
- Damir Vukicevic "Search for New Descriptors and Their Mathematical Properties – Adriatic Indices 2.0", priopćenje, (IAMC meeting, Tianjin, China, lipanj, 2016.)
- Damir Vukicevic "Search for New Descriptors and Their Mathematical Properties – Adriatic Indices 2.1", pozvano predavanje, (Lanzhou University, China, lipanj, 2016.)
- Damir Vukicevic "Molecular Descriptors; Comparing Zagreb Indices; Hydrophobicity Scale Grader", pozvano predavanje, (Lanzhou University, China, lipanj, 2016.)
- Milica Klaričić "Jensen-Steffensen inequality: old and new", pozvano predavanje, (Conference on Inequalities and Applications '16, Hajdúszoboszló, Mađarska, rujan, 2016.)
- Vesna Gotovac "Assessing dissimilarity of random sets using envelope test and test based on  $\mathfrak{N}$ -distances", pozvano predavanje, (Workshop "Spatial Statistics and Image Analysis in Biology", Rennes, France, May 25-27, 2016)

## 2015. godina

- Jurica Perić "Refined converses of Jensen's inequality for operators", priopćenje, (Mathematical inequalities and applications, Mostar, Bosna i Hercegovina, studeni, 2015.)
- Nikola Koceić Bilan "Computing of coarse shape groups", priopćenje, (International conference on topology, Messina, Italija, rujan, 2015.)
- Ivo Ugrina "Overview of Some Interesting Statistical Problems in Biochemical Analysis of Glycans", pozvano predavanje, (19th European Young Statisticians Meeting, Prague, Czech Republic, rujan, 2015.)
- Goran Erceg "Mahavier product and topological entropy", priopćenje, (Dubrovnik VIII - Geometric Topology, Geometric Group Theory & Dynamical Systems, Dubrovnik, lipanj, 2015.)
- Borka Jadrijević "Computing relative power integral bases in a family of quartic extensions of imaginary quadratic fields", priopćenje, (29th Journées Arithmétiques, Debrecen, Mađarska, lipanj, 2015.)
- Nikola Koceić Bilan "Continuity of coarse shape groups", priopćenje, (Dubrovnik VIII, Geometric Topology, Dubrovnik, lipanj, 2015.)
- Tea Martinić "Realization of Lie algebra and differential calculus on noncommutative spaces", pozvano predavanje, (Representation Theory XIV, Hrvatska, Dubrovnik, lipanj, 2015.)
- Gordan Radobolja "Free field realization and weight representation theory of the twisted Heisenberg-Virasoro algebra", pozvano predavanje (Representation Theory XIV, Dubrovnik, lipanj, 2015.)
- Damir Vukicevic "Descriptors for Refining Concepts of Assortativity and Dissortativity in Complex Networks and Their Application in Chemistry", priopćenje, (IAMC Meeting, Kranjska Gora, Slovenija, lipanj, 2015.)
- Milica Klaričić "On the converse Jensen inequality for strongly convex functions", priopćenje, (Mathematical Inequalities and Applications '15, Mostar, Bosna i Hercegovina, studeni, 2015.)
- Goran Erceg "Generalized inverse limits and topological entropy", pozvano predavanje, (Lamar University, TX, SAD, ožujak, 2015.)
- Tanja Vučićić "Hadamard difference sets and corresponding regular partial difference sets in groups of order 144", priopćenje, (ALCOMA15, Kloster Banz, Njemačka, ožujak, 2015.)

## 2014. godina

- Nikola Koceić Bilan "Some applications of the coarse shape theory", pozvano predavanje, (University of Maribor, Seminar iz Topologije Fakulteta za naravoslovje in matematiko, Maribor, Slovenija, prosinac, 2014.)
- Nikola Koceić Bilan "On intersections of the exponential and logarithmic curves", pozvano predavanje, (University of Maribor, Seminar iz Topologije Fakulteta za naravoslovje in matematiko, Maribor, Slovenija, prosinac, 2014.)
- Gordan Radobolja "Application of VOA to representation theory of  $W(2,2)$ -algebra and the twisted Heisenberg-Virasoro algebra", pozvano predavanje, (Infinite Dimensional Lie Theory and its Applications, Allahabad, India, prosinac, 2014.)
- Borka Jadrijević "p-adic version of the index form equations in a parametric family of bicyclic biquadratic fields", priopćenje, (Conference on Diophantine m-tuples and related problems, Westville, Indiana, SAD, studeni, 2014.)
- Borka Jadrijević "On elements with index divisible by fixed primes in a parametric family of bicyclic biquadratic fields", priopćenje, (ALANT 3 — Joint Conferences on Algebra, Logic and Number Theory, Bedlewo, Poljska, lipanj, 2014.)

- Jurica Perić "Refined Jensen's operator inequality with condition on spectra", priopćenje, (Mathematical inequalities and applications, Split, lipanj, 2014.)
- Tanja Vučićić "Hadamard difference sets in groups of order 400", priopćenje, (Combinatorics 2014, Gaeta, Italija, lipanj, 2014.)
- Damir Vukicevic "Distributed key and agents", priopćenje, (IMAC Meeting, Split, lipanj, 2014.)
- Damir Vukicevic "Protecting Secrets by Distributed Keys", pozvano predavanje, (Adriatic Conference on Graph Theory, Split, svibanj, 2014)
- Tanja Vojković "Agents and Missing Persons in Networks with Distributed Keys", priopćenje, (Adriatic Conference on Graph Theory and Complexity, Split, travanj, 2014.)
- Goran Erceg "Induced functions and induced morphisms between generalized inverse limits", priopćenje, (48th Spring Topology and Dynamical Systems Conference, Richmond, VA, SAD, ožujak, 2014.)
- Nikola Koceić Bilan "Computing coarse shape groups of solenoids", priopćenje, (48th Spring Topology and Dynamics Conference, Richmond, SAD, ožujak, 2014.)
- Tanja Vojković "Agents and key distribution", poster, (CompleNet, Bolognja, Italija, ožujak, 2014.)
- Tanja Vojković "Agents and distributed keys", priopćenje, (EuroGIGA Final Conference, Berlin, Njemačka, veljača, 2014.)
- Damir Vukicevic "Distributed key and agents", priopćenje, (EuroGIGA Final Conference, Berlin, Njemačka, veljača, 2014.)
- Milica Klaričić "Improvements of the converse Jensen inequality", pozvano predavanje, (Conference on Inequalities and Applications, Hajdúszoboszló, Mađarska, rujan, 2014.)
- Milica Klaričić "Extensions of the Hermite-Hadamard inequalities with applications", priopćenje, (Mathematical Inequalities and Applications, Trogir, Hrvatska, lipanj, 2014.)

## 2013. godina

- Nikola Koceić Bilan "The algebraic characterization of (coarse) shape path connectedness", pozvano predavanje, (4th Waseda Geometric Topology, Waseda University, Tokio, Japan, rujan, 2013.)
- Nikola Koceić Bilan "Isomorphisms of the coarse shape groups induced by the coarse shape paths", pozvano predavanje, (4th Waseda Geometric Topology, International Conference on Topology and Geometry, Matsue, Japan, rujan, 2013.)
- Gordan Radobolja "Subsingular vectors in Verma modules, and tensor product of weight modules over the  $W(2, 2)$ -algebra", pozvano predavanje, (Representation Theory XIII, Dubrovnik, lipanj, 2013.)
- Andrijana Ćurković "Interaction of a thin fluid layer with an elastic plate", priopćenje, (8th Conference on Applied Mathematics and Scientific Computing ApplMath13, Šibenik, lipanj, 2013.)

## 2012. godina

- Jurica Perić "Generalizations and improvements of converse Jensen's inequality for convex hulls in  $\mathbb{R}^k$ ", priopćenje, (The international conference on mathematical inequalities and nonlinear functional analysis with applications, Jinju, Južna Koreja, srpanj, 2012.)
- Andrijana Ćurković "Effective equation modeling the unsteady interaction of fluid flow in a thin channel with an elastic plate", priopćenje, (5. hrvatski matematički kongres, Rijeka, lipanj, 2012.)
- Nikola Koceić Bilan "Algebraic approach to the (coarse) shape path connectedness", priopćenje, (5. hrvatski matematički kongres, Rijeka, lipanj, 2012.)

- Borka Jadrijević "On the minimal index and indices of the form  $2^a 3^b$  in a parametric family of bicyclic biquadratic fields", priopćenje, (5. hrvatski matematički kongres, Rijeka, lipanj, 2012.)
- Jurica Perić "Remarks on the paper "Jensen's inequality and new entropy bounds" of S. Simić", priopćenje, (5. hrvatski matematički kongres, Rijeka, Hrvatska, lipanj, 2012.)
- Gordan Radobolja "Representations over Virasoro algebra with infinite multiplicities", priopćenje, (Peti hrvatski matematički kongres, Rijeka, lipanj, 2012.)
- Tanja Vučićić "On the number of primitive designs on projective line and their antiflag-transitivity", priopćenje, (5. hrvatski matematički kongres, Rijeka, lipanj, 2012.)

## 2011. godina

- Tanja Vučićić "Primitive block designs with automorphism group  $\text{PSL}(2, q)$ ", priopćenje, (Fq 10, Ghent, Belgija, srpanj, 2011.)
- Goran Erceg "Generalized inverse limits of inverse sequences of generalized inverse limits", priopćenje, (Dubrovnik VII – Geometric Topology, Dubrovnik, lipanj 2011.)
- Borka Jadrijević "On some applications of a theorem of Worley", priopćenje, (27th Journées Arithmétiques, Vilnius, Litva, lipanj, 2011.)
- Nikola Koceić Bilan "The coarse shape path connectedness", priopćenje, (Dubrovnik VII, Geometric Topology, Dubrovnik, lipanj, 2011.)
- Gordan Radobolja "Some representations over Virasoro algebra with infinite-dimensional weight spaces", priopćenje, (Representation Theory XII, Dubrovnik, lipanj, 2011.)
- Damir Vukičević "Community detection in complex networks", priopćenje, (Bled '11 7th Slovenian International Conference on Graph Theory, Bled, Slovenija, lipanj, 2011)
- Goran Erceg "Hyperspaces and Whitney maps", pozvano predavanje, (University of Maribor, svibanj, 2011.)