

# Međunarodna gostovanja

## 2018. godina

- **Ime predavača "Naslov predavanja", priopćenje ili pozvano predavanje, (Institucija ili ime kongresa, Grad, Država, mjesec, 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 Čurković "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", priopćenje, 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", Mathematical Inequalities and Applications '18, Zagreb, Hrvatska, srpanj, 2018., priopćenje.
- Jurica Perić "Improvements and generalizations of Converse Jensen's Inequality and the Jessen-Mercer Inequality", priopćenje (Mathematical Inequalities and Applications, Zagreb, Hrvatska, srpanj, 2018.)

## 2017. godina

- **Ime predavača "Naslov predavanja", priopćenje ili pozvano predavanje, (Institucija ili ime kongresa, Grad, Država, mjesec, 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, rujna, 2017.)
- Borka Jadrijević "On generalized Diophantine quadruples", poster, (Diophantine problems (DIOP), Manchester, Velika Britanija, rujna 2017.)
- Saša Krešić–Jurić "Integrable systems, geometry and group theory", pozvano predavanje, (Students to Students Split Summer School, Split, rujna, 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, 2016.)
- 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

- **Ime predavača "Naslov predavanja", priopćenje ili pozvano predavanje, (Institucija ili ime kongresa, Grad, Država, mjesec, godina)**
- Vesna Gotovac "Assessing 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  $\mathfrak{R}$ -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  $\mathfrak{R}$ -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 "Free field realization of the twisted Heisenberg-Virasoro algebra and  $W(2, 2)$ -algebra and applications to representation theory", priopćenje (Representation Theory Conference, Upsala, Švedska, lipanj, 2016.)
- Tanja Vučićić "Construction of flag-transitive block designs using flag-transitive incidence structures", priopćenje, (6th Croatian Mathematical Congress, Zagreb, lipanj, 2016.)
- Tanja Vučićić "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", Conference on Inequalities and Applications '16, Hajdúszoboszló, Mađarska, rujan, 2016., pozvano predavanje.
- Vesna Gotovac "Assessing dissimilarity of random sets using envelope test and test based on  $\mathfrak{R}$ -distances", pozvano predavanje, (Workshop "Spatial Statistics and Image Analysis in Biology", Rennes, France, May 25-27, 2016)

## 2015. godina

- **Ime predavača "Naslov predavanja", priopćenje ili pozvano predavanje, (Institucija ili ime kongresa, Grad, Država, mjesec, 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", Mathematical Inequalities and Applications '15, Mostar, Bosna i Hercegovina, studeni, 2015., priopćenje.
- 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

- **Ime predavača "Naslov predavanja", priopćenje ili pozvano predavanje, (Institucija ili ime kongresa, Grad, Država, mjesec, 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", Conference on Inequalities and Applications '14, Hajdúszoboszló, Mađarska, rujan, 2014., pozvano predavanje.
- Milica Klaričić "Extensions of the Hermite-Hadamard inequalities with applications", Mathematical Inequalities and Applications '14, Trogir, Hrvatska, lipanj, 2014., priopćenje.

### 2013. godina

- **Ime predavača "Naslov predavanja", priopćenje ili pozvano predavanje, (Institucija ili ime kongresa, Grad, Država, mjesec, 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

- **Ime predavača "Naslov predavanja", priopćenje ili pozvano predavanje, (Institucija ili ime kongresa, Grad, Država, mjesec, 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

- **Ime predavača "Naslov predavanja", priopćenje ili pozvano predavanje, (Institucija ili ime kongresa, Grad, Država, mjesec, 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.)