

# SUSRET MATEMATIČARA SRBIJE I CRNE GORE

11-14. oktobar 2019.

Hotel Slovenska plaža, Budva, Crna Gora

## Petak, 11. oktobar

11:00-12:00 Registracija

12:00-12:20 **Otvaranje skupa**

Prof. dr Zoran Rakić, dekan Matematičkog fakulteta Univerziteta u Beogradu

Prof. dr Predrag Miranović, dekan Prirodno-matematičkog fakulteta Univerziteta Crne Gore

Prof. dr Vladimir Božović, izvršni direktor MFCG

*Plenarno predavanje (predsedavajući: Mirjana Đorić)*

12:20-13:00 David Kaljaj, *Minimisers and Kellogg's theorem*

13:00-14:30 *pauza za ručak*

*Prva sesija (predsedavajući: David Kaljaj)*

14:30-14:50 Dragan Đorđević, *Fréchet derivative and applications*

14:55-15:15 Đorđije Vujadinović, *Atomic decomposition for the harmonic Fock space in the plane*

15:20-15:40 Miodrag Spalević, *Generalized averaged Gaussian quadrature rule and applications*

15:45-16:05 Goran Popivoda, *On the extremes of some Gaussian random processes in random environments*

16:05-16:30 *pauza za kafu*

*Druga sesija (predsedavajući: Miodrag Spalević)*

16:30-16:50 Bojana Milošević, *Testing uniformity – characterization based approach*

16:55-17:15 Katarina Kostadinov, *q-regular variation and asymptotic analysis of Emden-Fowler type second order q-difference equations*

17:20-17:40 Jelena Milošević, *Asymptotic behavior of positive solutions of second order quasi-linear ordinary differential equations in the framework of regular variation*

*Panel diskusija*

18:30- 20:00 *Aspekti i perspektive matematičke saradnje Srbije i Crne Gore*

Žarko Pavićević, PMF Podgorica

Mirjana Katić, Matematička Gimnazija, Beograd

Dragan Đorđević, PMF Niš

Biljana Vojvodić, Agencija za akreditaciju visokoškolskih ustanova Republike Srpske

Vladimir Božović, Matematički Forum Crne Gore/Matica Srpska Društvo članova u Crnoj Gori

Danijela Vukićević, Centar za promociju nauke, Beograd

*moderator: Đorđe Baralić, MI SANU*

## Subota, 12. oktobar

### *Plenarna predavanja (predsedavajući: Zoran Rakić)*

09:00-09:40 Mirjana Đorić, *Geometry of CR submanifolds*

09:50-10:30 Svjetlana Terzić, *On toric orbit spaces of some Grassmann manifolds*

10:30-11:00 pauza za kafu

### *Treća sesija (predsedavajući: Svjetlana Terzić)*

11:00-11:20 Zoran Rakić, *On non-local modified gravity - a new cosmological solutions*

11:25-11:45 Stana Nikčević-Simić, *Homothety curvature homogeneity and homothety homogeneity*

11:50-12:10 Jovana Nikolić, *An obstruction and a construction in an ambient of the cotangent bundle*

12:15-12:35 Zoran Misajleski, *Weakly chain separated sets in a topological space*

12:35-14:00 pauza za ručak

### *Četvrta sesija A (predsedavajući: Stana Nikčević-Simić)*

14:00-14:20 Ivana Stanišev, *Partial orders in IIPS*

14:25-14:45 Nevena Petrović, *Anti-Gaussian quadrature rule for trigonometric polynomials*

14:50-15:10 Darko Kočev, *wt-distance and Ćirić's maps*

15:15-15:35 Biljana Vojvodić, *Inverse problems for Sturm-Liouville operator with potential functions from  $L_2[0, \pi]$*

15:40-16:00 Ivana Đolović, *Some applications of matrix domains of triangles*

### *Četvrta sesija B (predsedavajući: Dušan Jokanović)*

14:00-14:20 Miljana Jovanović, *Influence of stochastic perturbations on stability of heroin model with two distributed time delays*

14:25-14:45 Jasmina Đorđević, *Effects of perturbations on the applications of reflected backward stochastic differential equations*

14:50-15:10 Dušan Đorđević, *An approximation of solution of stochastic differential equations via Taylor series*

15:15-15:35 Marija Milošević, *Numerical method for a class of stochastic differential equations with piecewise constant arguments*

15:40-16:00 Lazar Obradović, *Merton portfolios in portfolio optimization with risk measures*

16:00-16:20 pauza za kafu

16:20-16:40 Miodrag Đorđević, *Predicting the result of a football match – one step further*

16:45-17:05 Jelena Stanojević, *AK growth model in the generalized logistic form*

17:10-17:30 Marija Krstić, *Analysis of the behavior of stochastic predator-prey model influenced by Allee effect on prey*

20:00-22:00 Svečana večera

## Nedelja, 13. oktobar

*Plenarna predavanja (predsedavajući: Slobodan Vujošević)*

**09:00-09:40** Žarko Pavićević, *Normal family of functions in the sense of Montel, Bloch principle and Möbius transformations and their application*

**09:50-10:30** Vladimir Grujić, *Symmetric and quasisymmetric functions in combinatorics*

**10:30-11:00** pauza za kafu

*Peta sesija (predsedavajući: Zoran Petrić)*

**11:00-11:20** Slobodan Vujošević, *Mathematics and intuition*

**11:25-11:45** Žana Kovijanić Vukićević, *Some enumerations in class of unicyclic graphs*

**11:50-12:10** Dušan Jokanović, *Matrix and polynomial rings of McCoy type*

**12:15-12:35** Mladen Zekić, *Biproducts in monoidal categories*

**12:40-13:00** Jelena Ivanović, *Facet colouring of nestohedra*

**13:00-14:00** pauza za ručak

**14:00-19:30** IZLET

## Ponedjeljak, 14. oktobar

*Plenarno predavanje (predsedavajući: Žarko Pavićević)*

**09:00-09:40** Zoran Petrić, *Coherence in action*

*Šesta sesija (predsedavajući: Dragan Đorđević)*

**09:45-10:05** Daniel Velinov, *Quasi-asymptotically almost periodic generalized functions*

**10:10-10:30** Bogdan Đorđević, *On singular matrix equations and connections with singular PDEs*

**10:35-10:55** Bratislav Iričanin, *Solving some new classes of difference equations and their systems in a closed form*

**10:55-11:15** *pauza za kafu*

**11:15-11:35** Nebojša Ralević, *Fuzzy metric spaces and applications in image processing*

**11:40-12:00** Vladimir Vladičić, *Inverse spectral problems for differential operators with constant delay under Dirichlet/polynomial boundary conditions*

**12:05-12:25** Dragana Nedić, *Solutions of the inverse boundary problem for the Sturm-Liouville operator with delay*

**12:30-12:50** Nataša Pavlović Komazec, *First regularized trace of the limit assignment of Sturm-Liouville type with Robin boundary conditions*

**12:50-14:00** *ručak*