

# Conference Program

Monday, June 20<sup>th</sup>

9.00 **Opening ceremony(Ceremonial Hall -Rectorat)**

**Prof. Dr Miladin Kostić, rector SUNP**  
**Prof. Dr C. Dolićanin, Academician of JANN**  
**Academician SASA T. M. Atanacković**

**COCKTAIL**

9.15 **Plenary Session (Ceremonial Hall -Rectorat)**

**Chairmen**  
**Academician SASA, S. Pilipović**  
**Prof. Dr C. Dolićanin, Academician of JANN**

9.15-9.40 **I. Gutman**, Graph Energy - Old and new Results, Serbia.

9.45-10.10 **T. Atanacković**, Viscoelasticity with fractional derivatives of real and complex order. Serbia.

10.15-10.40 **M. Spies**, Topic Modelling -- Effects of Deep Vocabulary Preprocessing. Germany.

**Ceremonial Hall -Rectorat**

10.45 **Session 1**  
**Chairmen**

**Academician, I. A. Soloviev**  
**Academician SASA, M. Matijević**

10.45-10.55 **S. Pilipovic**, G-type Spaces of Ultra distributions over  $R_+^d$ , Serbia.

11.00-11.10 **E. I. Milovanović, Č. B. Dolićanin, I. Ž. Milovanović**, Remark on the normalized Laplacian ratio spread of graphs. Serbia.

11.15-11.25 **B. Mirić, P. Spalević, A. Pavlović**, Characteristics of inductive loops applied in telematics. Serbia

11.30-11.40 **I. Ž. Milovanović, E. I. Milovanović, E. C. Dolićanin, Dž. Pičić**, Remark on the forgotten index of graphs.

11.45-11.55 **N. Grahovac, M. Žigic**, Fractional derivative model of a frontal vehicle impact. Serbia.

12.00-12.10 **B. Borovičanin**, On the extremal Zagreb indices of trees with given parameters. Serbia.

12.15-12.25 **E. Glogić, E. Zogić, N. Glišović**, Remarks on the upper bound for Randić index of bipartite graphs. Serbia.

12.25 **Lunch**

**Session 2**

**Chairmen**

**Prof. Valery Romanovski**  
**Prof. Dr Dragić Banković**

13.30

13.30-13.40 **V. Burégio, N. Faci, E. Kajan, Z. M. , Mohamed Sellami**, Bringing semantics to the social web , France, Brazil, UEA, Serbia.

13.45-13.55 **I. D. Arandelović**, On semi-metric fixed point results, Serbia.

14.00-14.10 **M. Petrović–Torgašev, A. Šebeković**, Ricci pseudo-symmetries of generalised wintgen ideal legendrian submanifolds, Serbia.

14.15-14.25 **A.M. Lykov, A.A Bashkatova**, Calculation of the surface materials modification by plasma processes. Russia.

14.30-14.40 **S. Maćešić, Ž. Čupić, L. Kolar-Anić**, Method for detection of Andronov-Hopf bifurcation in the models of chemical reactions, Serbia.

14.45-14.55 **Ž. Čupić, A. Ivanović-Šašić, S. Blagojević, S. Blagojević, S. Anić, L. Kolar-Anić**, Slow manifolds of the model for Bray-Liebhaftsky reaction analysed by return maps, Serbia.

15.00-15.10 **U. Marovac, D. Banković**, Applications of Boolean equations, Serbia.

15.15-15.25 **N. Glišović, M. Rasković**, The System for Decision Support in the Diagnosis of Systemic Autoimmune Diseases, Serbia.

15.30-15.40 **A. Ljajić, A. Avdić, U. Marovac, E. Kajan**, Creating domain dictionaries for serbian language, Serbia.

15.45-15.50 **D. Pokrajac, M. Petkovic**, Computational Geometry Issues In Recursive Partitioning Based Simulation, Algorithm, Serbia, USA.

15.50 **Coffee break**

16.05

**Session 3**

**Chairmen**

**Academician SASA, T. M. Atanacković**  
**Prof. Dr D. C. Dolićanin-Đekić**

16.10-16.20 **T. M. Atanacković, G. Hörmann, M. Janev, Lj. Oparnica, S. Pilipović, D. Zorica**, Generalization of the wave equation including hereditary and non-local effects, Serbia, Austria.

16.25-16.35 **M Knežević**, Some properties of hyperbolic partial derivatives for harmonic quasiconformal mappings, Serbia.

16.40-16.50 **A. Dimov, L. Stoimenov**, An approach for software reliability management in Big Data distributed stream

computing systems, Bulgaria, Serbia.

16.55-17.05

**E. Dolićanin, O. Kasum, A. Perović, A. Jovanović, A. Mumadžić** Implementations, migrations and generalizations of some fundamental properties in computability models, Serbia

17.10-17.20

**D. A. Romano**, A note on regular coequality relation, BIH.

19.00

**Conference Dinner**

**Tuesday, June 21<sup>th</sup>**

**Plenary Session (Ceremonial Hall -Rectorat)**  
**Chairmen**

**Prof. Dr I. Milovanović**  
**Prof. Dr M. Knežević**

9.00

9.00-9.25

**M. Ruzhansky**, Schatten classes, nuclearity and nonharmonic analysis on compact manifolds with boundary, Russia, UK.

9.30 -9.55

**Valery Romanovski, Diana Dolićanin**, n-tegrability and reversibility in polynomial systems of ODEs, Russia, Slovenia, Serbia.

10.00-10.25

**E. Malkowsky, V Velčković, F. Ozger**, Compact operators and visualizations, Germany, Turkey, Serbia .

**(Ceremonial Hall -Rectorat)**

10.25

**Session 1**  
**Chairmen**

**Prof. Dr B. Mirić**  
**Prof. Dr Ejub Kajan**

10.25-10.35

**M. Matijević, M Albijanić**, Convexity, inequality and other applications, Serbia

10.40-10.50

**I. A. Soloviev, D. C. Dolićanin-Đekić**, Stochastic models of heat transfer based on generalized equation of Fokker-Planck-Kolmogorov, Russia, Serbia

10.55-11.05

**A. H. Ansari , S. Chandok, T. Došenović, S Radenović**,  $\alpha\beta$ -contractive mappings and upclass of type II function, Iran, India, Serbia.

11.10-11.20

**T. M. Atanacković, M. Janev, S. Pilipović, D. Zorica**, Variational principles with Lagrangians containing derivatives of complex fractional order, Serbia

11.25-  
11.35 **Ir. R. Visuer**, Success Factors of an Open Source Outsider:  
the Case of Nginx Web Server, Belgium.

11.40-  
11.50 **R. Unland**, Industrial Agent Technology, Germany, UK.

11.50 **Coffee break**

12.05 **Closing of the Conference**

12.25 **Sightseeing of the city and surrounding**

organizes

#### 4<sup>th</sup> International Conference

### CONTEMPORARY PROBLEMS OF MATHEMATICS, MECHANICS AND INFORMATICS (CPMMI 2016)

#### Conference Chairman

**Prof. Dr Cemal Dolicanin**, Academician of JANN  
State University of Novi Pazar

#### Basic information

4<sup>th</sup> International Conference "CONTEMPORARY  
PROBLEMS OF MATHEMATICS, MECHANICS AND  
INFORMATICS " will be held at The State University of  
Novi Pazar, **19, 20 and 21. June 2016**, Novi Pazar.

#### Registration and Agenda

**19. June 2016.** Registration at the State University  
of Novi Pazar, from 12:00.

**20. June 2016.** 9:00 Opening ceremony

**21. June 2016.** 9:00 Working sessions

12:05 Conference session ending

12:25 Sightseeing of the city and  
surrounding

#### Conference Secretariat

The correspondence should be performed via Conference  
Organizing Committee

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#### Contact persons

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#### Accommodation

**Accommodation** is organized in cooperation with State  
university of Novi Pazar, at the hotel "VRBAK". Hotel  
"Vrbak" is located in the center of Novi Pazar. Below the  
hotel, the river Raska flows. With its distinctive architecture,  
internal and external environment, it leaves a strong  
impression to the passers-by.



## State University of Novi Pazar



## Third Announcement CPMMI 2016

### 4<sup>th</sup> International Conference CONTEMPORARY PROBLEMS OF MATHEMATICS, MECHANICS AND INFORMATICS



**Novi Pazar, 19-21 June 2016.**