

Conference Program

Monday, June 20th

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. Atanackovic**, 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
Prof. Dr Valery Romanovski

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. Pučić**, Remark on the forgotten index of graphs.

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

13.30

Session 2

Chairmen

Prof. Dr E. Milovanović
Prof. Dr Dragić Banković

13.30-13.40 **V. Burégio, N. Faci, E. Kajan, Z. Maamar, M. 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 **R. Maksimović, D. Mašulović, Z. Dolićanin, N. Tanić**, Picture Archiving and Communication System - PACS: Study Case of Clinical Center of Serbia, Belgrade, Serbia

15.00-15.10 **Ž. Čupić, A. Ivanović-Šašić, S. Blagojević, S. Blagojević, S. Anić, L. Kolar-Anić**, Slow manifolds of the model for Bray-Liebhaufsky reaction analysed by return maps, Serbia.

15.15-15.25 **U. Marovac, D. Banković**, Applications of Boolean equations, Serbia.

15.30-15.40 **N. Glišović, M. Rasković**, The System for Decision Support in the Diagnosis of Systemic Autoimmune Diseases, Serbia.

15.45-15.55 **A. Ljajić, A. Avdić, U. Marovac, E. Kajan**, Creating domain dictionaries for serbian language, Serbia.

16.00-16.10 **D. Pokrajac, M. Petkovic**, Computational Geometry Issues In Recursive Partitioning Based Simulation, Algorithm, Serbia, USA.

16.10 **Coffee break**

Session 3

Chairmen

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

16.25-16.35 **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.

16.40-16.50 **M. Knežević**, Some properties of hyperbolic partial derivatives for harmonic quasiconformal mappings, Serbia.

16.55-17.05 **A. Dimov, L. Stoimenov**, An approach for software reliability management in Big Data distributed stream computing systems, Bulgaria, Serbia.

17.10-17.20 **D. A. Romano**, A note on regular coequality relation, BIH.

17.25-17.35 **E. Dolićanin, O. Kasum, B. Ćendić, A. Perović, A. Jovanović, A. Mumđžić** Implementations, migrations and generalizations of some fundamental properties in computability models, Serbia

Conference Dinner

19.00

Tuesday, June 21th

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-Đekić**, Integrability and reversibility in polynomial systems of ODEs, Russia, Slovenia, Serbia.

10.00-10.25 **E. Malkowsky, V. Veilčković, 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. Mateljević, 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,

11.10-11.20	Iran, India, Serbia. 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. Viseur, 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

State University of Novi Pazar
Department of Mathematical Sciences
organizes

**4th 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

4th 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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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



CPMMI 2016

4th International Conference

**CONTEMPORARY PROBLEMS
OF MATHEMATICS,
MECHANICS AND
INFORMATICS**



Novi Pazar, 19-21 June 2016.