Conference Program		
Monday, June 18 th		
9.00	Opening ceremony(Ceremonial Hall -Rectorate)	
	Prof. Dr Miladin Kostić, rector SUNP	
	Prof. Dr C. Dolićanin, Academician of JANN Academician SASA T. M. Atanacković	
	Academician SASA 1. M. Atanackovic	
0.10		
9.10	Plenary Session (Ceremonial Hall -Rectorate) Chairmen	
	Academician SASA, S. Pilipović	
	Prof. Dr C. Dolićanin, Academician of JANN	
0.10		
9.10- 9.40	Xin-She Yang, Mathematical Analysis of Swarm Intelligence. UK.	
	intelligence. OK.	
9.40-	T. Atanackovic, S. Pilipovic, Application of Caputo-	
10.10	Fabrizio fractional derivative in Mechanics. Serbia.	
10.10-	V. Romanovskij, Invariants and time-reversibility in	
10.40	polynomial differential systems. Slovenia.	
10.40-	D. Haland A. Marril Halania Analiteatura for a Madical	
11:10	R. Unland, A Novel Holonic Architecture for a Medical Diagnosis System Based on MAS Technology and Swarm	
	Diagnosis System Based on MAS Technology and Swarm	
	Intelligence. Germany.	
11.10		
11.10	Intelligence. Germany.	
11.10	Intelligence. Germany. Coffee break Ceremonial Hall -Rectorat Session 1	
	Intelligence. Germany. Coffee break Ceremonial Hall -Rectorat Session 1 Chairmen	
	Intelligence. Germany. Coffee break Ceremonial Hall -Rectorat Session 1	
11.30	Intelligence. Germany. Coffee break Ceremonial Hall -Rectorat Session 1 Chairmen Prof. Dr Vladimir Rakocevic Prof. Dr Dragan Djordjevic	
	Intelligence. Germany. Coffee break Ceremonial Hall -Rectorat Session 1 Chairmen Prof. Dr Vladimir Rakocevic	
11.30 11.30- 11.50	Intelligence. Germany. Coffee break Ceremonial Hall -Rectorat Session 1 Chairmen Prof. Dr Vladimir Rakocevic Prof. Dr Dragan Djordjevic S. Pilipovic, B. Prangoski, J. Vindas, Pseudo-differential operators of infinite order. Serbia, Belgium.	
11.30	Intelligence. Germany. Coffee break Ceremonial Hall -Rectorat Session 1 Chairmen Prof. Dr Vladimir Rakocevic Prof. Dr Dragan Djordjevic S. Pilipovic, B. Prangoski, J. Vindas, Pseudo-differential	
11.30 11.30- 11.50- 12.10	Intelligence. Germany. Coffee break Ceremonial Hall -Rectorat Session 1 Chairmen Prof. Dr Vladimir Rakocevic Prof. Dr Dragan Djordjevic S. Pilipovic, B. Prangoski, J. Vindas, Pseudo-differential operators of infinite order. Serbia, Belgium. M. Spies, Statistical learning of reusable topics with minimally smoothed document topic models. Germany.	
11.30 11.30- 11.50-	Coffee break Ceremonial Hall -Rectorat Session 1 Chairmen Prof. Dr Vladimir Rakocevic Prof. Dr Dragan Djordjevic S. Pilipovic, B. Prangoski, J. Vindas, Pseudo-differential operators of infinite order. Serbia, Belgium. M. Spies, Statistical learning of reusable topics with	
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11.30 11.30- 11.50- 12.10	Intelligence. Germany. Coffee break Ceremonial Hall -Rectorat Session 1 Chairmen Prof. Dr Vladimir Rakocevic Prof. Dr Dragan Djordjevic S. Pilipovic, B. Prangoski, J. Vindas, Pseudo-differential operators of infinite order. Serbia, Belgium. M. Spies, Statistical learning of reusable topics with minimally smoothed document topic models. Germany. И.А. Соловьев, Д. Доличанин-Декич, СТОХАСТИЧЕСКАЯ МОДЕЛЬ ЗАДАЧИ АБЛЯЦИИ.	
11.30 11.50 11.50 12.10 12.20	Intelligence. Germany. Coffee break Ceremonial Hall -Rectorat Session 1 Chairmen Prof. Dr Vladimir Rakocevic Prof. Dr Dragan Djordjevic S. Pilipovic, B. Prangoski, J. Vindas, Pseudo-differential operators of infinite order. Serbia, Belgium. M. Spies, Statistical learning of reusable topics with minimally smoothed document topic models. Germany. И.А. Соловьев, Д. Доличанин-Декич, СТОХАСТИЧЕСКАЯ МОДЕЛЬ ЗАДАЧИ АБЛЯЦИИ. Russia, Serbia.	
11.30 11.30- 11.50 11.50- 12.10- 12.20	Intelligence. Germany. Coffee break Ceremonial Hall -Rectorat Session 1 Chairmen Prof. Dr Vladimir Rakocevic Prof. Dr Dragan Djordjevic S. Pilipovic, B. Prangoski, J. Vindas, Pseudo-differential operators of infinite order. Serbia, Belgium. M. Spies, Statistical learning of reusable topics with minimally smoothed document topic models. Germany. И.А. Соловьев, Д. Доличанин-Декич, СТОХАСТИЧЕСКАЯ МОДЕЛЬ ЗАДАЧИ АБЛЯЦИИ. Russia, Serbia. V. Velickovic, Visualization of the spaces Cp and their duals. Serbia	
11.30 11.50 11.50 12.10 12.20 12.20	Intelligence. Germany. Coffee break Ceremonial Hall -Rectorat Session 1 Chairmen Prof. Dr Vladimir Rakocevic Prof. Dr Dragan Djordjevic S. Pilipovic, B. Prangoski, J. Vindas, Pseudo-differential operators of infinite order. Serbia, Belgium. M. Spies, Statistical learning of reusable topics with minimally smoothed document topic models. Germany. И.А. Соловьев, Д. Доличанин-Декич, СТОХАСТИЧЕСКАЯ МОДЕЛЬ ЗАДАЧИ АБЛЯЦИИ. Russia, Serbia. V. Velickovic, Visualization of the spaces Cp and their	

12.40- 12.50	D. Bogdanović, K. Lazarević, Z. Dolićanin, Statistical methods in medical researches: trends, errors, and guidelines for appropriate usage. Serbia.
12.50- 13.00	N. Glišović, N. M. Ralević, D. Ćebić, A variant of McDougall-Wotherspoon method for finding simple roots of nonlinear equations. Serbia.
13.00- 13.10	K. Stevanović, J. Maksimović, M. C. Pagnacco, S. Maćešić, Lj. Kolar-Anić, Parametric analysis of the model of Bray-Liebhafsky non-linear reaction system. Serbia
13.10	Lunch
14. 10	Session 2 Chairmen Academician SASA, T. M. Atanackovic Prof. Dr D. C. Dolicanin-Djekic
14.10- 14.25	E. Malkowsky, On some results using measure of noncompactness. Germany.
14.25- 14.35	M. Knezevic, Distance in the absolute plane and Cauchy functional equations. Sebia
14.35- 14.45	Miodrag Mateljevic, Miljan Knezevic , Some properties of HQC mappings and elliptic PDE's. Serbia
14.45- 14.55	Dj. Dugosija,
14.55- 15.05	J. Vukmirovic , A Simpler Proof of the Paley-Wiener-Zygmund Theorem. Serbia.
15.05- 15.20	T. Atanackovic, M. Janev, S. Pilipovic , Waves in viscoelastic media described by fractional derivatives with regular kernels. Serbia.
15.20- 15.30	B. Borovicanin, E. Zogic , Some new bounds on Randić energy. Serbia.
15.30- 15.40	E. Zogic, B. Borovicanin, E. Milovanovic, I. Milovanovic, Randić degree-based energy of graphs. Serbia.
15.40- 15.50	E. Glogic, M. Matejic, E. Milovanovic, I. Milovanovic, On some lower bounds for the Kirchhoff index. Serbia.
15.50- 16.05	A.A. Tikhonov, L.F. Shcherbakova, On attitude motion of electrodynamic space tether system, Russia.
16.05-	D. Šumarac, P. Knežević, Ć. Dolićanin, Preisach model

16.15	of hysteretical behaviour of mild steel under axial cyclic loading. Serbia.
16.15- 16.25	L. Cveticanin, Vibration of mass-in-mass units of the elastic metamaterial. Serbia.
16.25	Coffee break
16.45	Session 3 Chairmen Prof. Dr E. Milovanović Prof. Dr V. Soloviev
16.45- 16.55	N. Glisovic, T. Davidovic, M. Raskovic. Clustering incomplete data by bee colony optimization: two case studies. Serbia
16.55- 17.05	U. Marovac, A. Ljajic, A. Avdic, E. Kajan , Towards the lexical resources for sentiment-reach informal texts – the Serbian language case. Serbia.
17.05- 17.15	E. Ugljanin, D. Stojanovic, E. Kajan, Z. Maamar, Reconfiguration of IoT in a Smart City based on interactions with citizens using social media. Serbia, UAE.
17.15- 17.25	A. Ljajic, M. Stankovic, U. Marovac, Determining the scope of negation using the methods of machine learning. Serbia.
17.25- 17.35	V. Stanković , Angle estimation of a single complex exponential signal using angle invariant combining. Serbia
17.35- 17.45	A. Avdić, D. Janković, Healthcare in Smart Cities – Privacy and Security Issues, Serbia.
17.45- 17.55	E. Kahrović, E. Mekic, Artificial intelligence in human resources management. Serbia.
17.55- 18.05	Safet Purkovic, Edis Mekic, Ahmedin Lekpek, Feasibility of compromising ledger system based on P2P blockchain technology. Serbia.
19.15	Conference Dinner
	Tuesday, June 19 th

9.00	Plenary Session (Ceremonial Hall -Rectorat) Chairmen Prof. Dr I. Milovanović Prof. Dr S. Makrushin
9.00- 9.20 9.20 - 9.40	V. Rakocevic, Discontinuity at fixed point. Serbia.D. S. Djordjevic, Frechet derivative and analytic functional calculus. Serbia.
9.40- 10.00	B. Miric, Physical Interpretation of Doppler Radar Spectral Moments and Beyond. Serbia.
10.00	Coffee break
10.20	(Ceremonial Hall -Rectorat) Session 1 Chairmen Prof. Dr B. Mirić Prof. Dr Ejub Kajan
10.20- 10.35	V. Soloviev, A Machine Learning Approach for Student Engagement Automatic Recognition from Facial Expressions. Russia.
10.35- 10.50	S. Makrushin , Analysis of Structure Formation for the Russian Segment of Wikipedia. Russia.
10.50- 11.05	M. Koroteev , Machine Learning Models Overfitting and Generalization in Very Big Datasets. Russia.
11.05- 11.15	Ž. Barbarić, B. Bondžulić, S. Mitrović, Passive ranging in single-band infrared video sequence. Serbia.
11.15- 11.30	V. Feklin, A Machine Learning Approach for Commercial Banks Financial Stability Identification and Evaluation. Russia
11.30- 11.45	V. Ivanyuk, Phase Model of Asset Crises Identification. Russia.
11.45- 12.00	E. Zolotareva , Machine Learning Techniques for Stock Market Trends Identification. Russia.
12.00- 12.15	G. Katipoglu, M. Cengiz, Obstacle Avoiding Robot. Turkey.
12.15- 12.25	E. Dolicanin, I. Fetahovic, Brainstorm optimization algorithm for UCAV path planning. Serbia.
12.25- 12.35	A. Pavlović , Application of multifractals for copy-move forgery detection, Serbia.
12.35	Coffee break

12.55	Closing of the Conference
13.15	Sightseeing of the city and surrounding

State University of Novi Pazar Department of Mathematical Sciences

organizes

5th International Conference

CONTEMPORARY PROBLEMS OF MATHEMATICS, MECHANICS AND INFORMATICS (CPMMI 2018)

Conference Chairman

Prof. Dr Cemal Dolicanin, Academician of JANN

State University of Novi Pazar

Basic information

5th International Conference "CONTEMPORARY PROBLEMS OF MATHEMATICS, MECHANICS AND INFORMATICS" will be held at The State University of Novi Pazar, 17, 18 and 19. June 2018, Novi Pazar.

Registration and Agenda

- **17. June 2018.** registration on the State University of Novi Pazar or Hotel Vrbak, from 12:00.
- **18. June 2018**. 9:00 Opening ceremony
- **19. June 2018**. 9:00 Working sessions

12:35 Conference session ending

13:15 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.

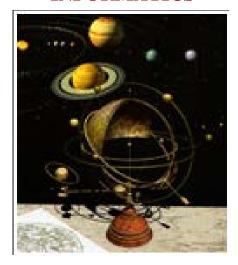
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CPMMI 2018

5th International Conference

OF MATHEMATICS, MECHANICS AND INFORMATICS



Novi Pazar, 17-19 June 2018.