

International Conference

**"Applications of Generalized Functions in  
General Relativity, Stochastics and Mechanics"**

organized by  
Novi Sad Branch of the Serbian Academy of Sciences and Arts  
and  
Department of Mathematics and Informatics, Faculty of Sciences, University of Novi Sad

**Novi Sad, 27 October – 1 November, 2016.**

**PROGRAM of the Conference**

**Thursday, 27 October (Department of Mathematics and Informatics)**

10.00-18.00 Discussions

**Friday, 28 October (Serbian Academy of Sciences and Arts, Belgrade)**

14.00-15.00 James Vickers *Generalised Functions and Singularities of Einstein's Equations*

**Saturday, 29 October (Novi Sad Branch of SASA)**

9.30-10.00 Oberguggenberger/Schwarz *Dynamic Methods for Stochastic Parameter Identification*  
10.00-10.30 Tijana Levajković *Equations Involving Malliavin Calculus Operators: Applications  
and Numerical Approximation*  
10.30-11.00 Dora Seleši *A Generalized Stochastic Harmonic Oscillator*  
11.00-11.30 Coffee break  
11.30-12.00 Nenad Teofanov *A Relaxation of Carleman Condition and some Applications*  
12.00-12.30 Filip Tomić *A New Type of Local Regularity with Applications to the Wave  
Front Sets*  
13.00-14.30 Lunch for all participants at Novi Sad Branch of SASA

**Monday, 31 October (Novi Sad Branch of SASA)**

9.30-10.00	Nenad Antić	<i>H-distributions as Distributions of Anisotropic Order</i>
10.00-10.30	Marin Mišur	<i>On <math>L_p</math> Compactness of Commutator of Multiplication and Fourier Multiplier Operator</i>
10.30-11.00	Jelena Stojanov	<i>Finslerian Frameworks</i>
11.00-11.30	Miloš Japundžić	<i>Approximate Solutions of Time and Time-Space Fractional Wave Equations with Variable Coefficients</i>

**(Department of Mathematics and Informatics, Room 60)**

12.15-13.00	Michael Kunzinger	<i>Singularity Theorems in General Relativity</i>
13.00-15.00	Lunch break	
15.00-15.30	Sanja Ružičić	<i>On the Uniqueness of Solution to Generalized Chaplygin Gas</i>
15.30-16.00	Ivana Vojnović	<i>H-distributions with Unbounded Multipliers</i>
16.30-17.00	Zorica/Oparnica	<i>Microlocal Analysis of Fractional Wave Equations</i>

**Tuesday, 1 November (Department of Mathematics and Informatics)**

10.00-18.00 Discussions

Scientific and Organizing Committee  
Academician Stevan Pilipović  
Sanja Konjik  
Dora Seleši