

Generalized Functions Online Workshop, May 12th 2023

Program

9:30 - 9:45 **Opening ceremony**

Chair: Dora Seleši

9:45 - 10:10 Elena Cordero: *Symplectic Analysis of Time-Frequency Spaces*

10:10 - 10:35 Anabela Silva: *A study of a nonlinear fractional boundary value problem and the Adomian decomposition method*

10:35 - 11:00 Honorable speaker, Stevan Pilipović: *Short Time Fourier transform in spaces with Hörmander metrics*

11:00-11:10 Coffee/Tea/Chatting break (breakout rooms)

Chair: Michael Oberguggenberger

11:10 - 11:35 Dragana Jankov Maširević: *Modified Bessel functions and their connection with some probability density functions*

11:35 - 12:00 Marianna Chatzakou: *Logarithmic Sobolev inequalities on Lie groups*

12:00 - 12:25 Sekar Nugraheni: *Natural definition of generalized holomorphic functions*

12:25 - 12:50 Sumandeep Kaur: *Prime common index divisor of certain fields*

12:50-14:00 Lunch break

14:00-15:00 Panel discussion moderated by Marie-Françoise Roy: **"Gender gap in science"**

15:00 – 15:05 break – prepare for the excursion, take your cup of coffee/tea and sit comfortably ☺, “do not miss the bus” ☺

15:05 – 15:45 Virtual excursion to **Bulgaria** with focus on Bulgarian folklore dances and songs and their relation to Math led by Diana Stoeva

Chair: Dragana Jankov Maširević

15:45 - 16:10 Olena Atlasiuk: *On differential systems in Sobolev spaces with generic inhomogeneous boundary conditions*

16:10 - 16:35 Hazal Yüksekaya: *A Kirchhoff-type wave equation with delay: asymptotic behaviour and global nonexistence*

16:35 - 17:00 Jasmina Veta Buralieva: *Some Asymptotic Results for the Distributional Stockwell and Wavelet Transforms*

17:00 – 17:30 Coffee/Tea/Chatting/Origami break (breakout rooms)