

Generalized Functions Online Workshop, May 10th 2024

Program

9:30 – 9:45 **Opening ceremony**

Chair: Jelena Aleksić

9:45 – 10:10 Elena Cordero: *Wigner Analysis of Fourier Integral Operators*

10:10 – 10:35 Olena Atlasiuk: *The solvability of inhomogeneous boundary-value problems in Sobolev spaces*

10:35 – 11:00 Antonella Nastasi: *Regularity for functionals with non standard growth conditions*

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

Chair: Elena Cordero

11:10 - 11:35 Jasmina Veta Buralieva: *Asymptotic analysis of distributions through some integral transforms and frames*

11:35 – 12:00 Jerielle Malonzo: *Finite Oblique Dual Fusion Frames*

12:00 – 12:25 Sarita Singh: *An analyticity approach solution & general discussion about the solution of Navier-Stokes Equations in Fluid Mechanics*

12:25 – 13:40 Lunch break

13:40 – 14:40 Panel discussion moderated by Diana Stoeva: "**Challenges in PhD studies**"

14:40 – 14:45 break – prepare for the excursion, take your cup of coffee/tea and sit comfortably ☺, “do not miss the bus” ☺

14:45 – 15:15 Virtual excursion to **Greece** led by Marianna Chatzakou

Chair: Milica Žigić

15:15 – 15:30 Davorka Radaković: *Why are female pupils losing interest in STEM fields in high school?*

15:30 – 15:55 Irina Melnikova: *Stochastic models of financial mathematics: transition from discrete to continuous infinite-dimensional models*

15:55 – 16:20 Stefan Tošić: *A fractional stochastic model for aerosol transmission of fluid droplets and virus exposure in closed space*

16:20 – 16:45 Bakhyt Alipova: *Generalized functions formulation by solution of the boundary value problem of thermoelastodynamics of half-plane*

16:45 – 17:15 Fun and games (breakout room with Digital AI Artwork; breakout rooms for chatting)