

# Generalized Functions Online Workshop, May 12<sup>th</sup> 2022

## Program

10:00 - 10:15 **Opening ceremony**

Chair: Michael Oberguggenberger

10:15 - 10:40 Elena Cordero: *Symplectic time-frequency representations and characterization of modulation spaces*

10:40 - 11:05 Anita Tomar: *Application of fixed point techniques in the exploration of fractals*

11:05 - 11:30 Loc Nguyen: *Finite mixture model with EM algorithm*

11:30-11:45 Coffee/Tea/Chatting break (breakout rooms)

11:45-12:45 Panel discussion moderated by Elena Cordero: **"Mathematics in times of crisis - challenges and perspectives"**

12:45-14:00 Lunch break

Chair: Sandro Coriasco

14:00 - 14:25 Olena Atlasiuk: *On solvability of one-dimensional boundary-value problems in Sobolev spaces*

14:25 - 14:50 Hazal Yüksekaya: *Blow up of solutions for a hyperbolic-type equation with delay*

14:50 - 15:15 Anabela Silva: *Existence and uniqueness results for a fractional differential equation via fixed point techniques*

15:15 – 15:20 break – prepare for the excursion, take your cup of coffee/tea and sit comfortably ☺ , “do not miss the bus” ☺

15:20 – 16:20 Virtual excursion to Ghent led by Gunter Deleyn: **"The Mystic Lamb"**

Chair: Daulti Verma

16:25 - 16:50 Bakhyt Alipova: *Singular generalized delta-function as the mass force or the heat source in the dynamics of a thermoelastic medium*

16:50 - 17:15 Jasmina Veta Buralieva: *Generalized integral transforms and asymptotics*

17:15 – 18:00 Coffee/Tea/Chatting break (breakout rooms)