

Generalized Functions Online Workshop, May 12th 2026

Program

9:15 – 9:30 **Opening ceremony**

Chair: Jasmina Veta Buralieva

9:30 – 9:50 Dragana Jankov Maširević: *A four-parameter Kaiser-Bessel distribution: special function representations and probabilistic aspects*

9:50 – 10:10 Olena Atlasiuk: *Approximation problem for generic boundary-value problems in Sobolev spaces*

10:10 – 10:30 Milica Žigić: *On Function Spaces Beyond Classical Gevrey Classes*

10:30 – 10:50 Sekar Nugraheni: *Generalized Holomorphic Functions*

10:50 – 11:00 Coffee/Tea/Chatting break

11:00 – 12:00 Panel discussion led by Sandro Coriasco:

"Inclusion and accessibility in STEM disciplines: strategies, tools, experiences, and perspectives"

12:00 – 13:30 Lunch break

Chair: Dragana Jankov Maširević

13:30 – 13:50 Abhishek Singh: *Abelian-Type Results for the Mexican Hat Wavelet Transform of Compactly Supported Distributions*

13:50 – 14:10 Ani Tumanyan: *On solvability of hypoelliptic operators in the whole space and boundary value problems in the half-space*

14:10 – 14:30 Olga Sudaikova: *Weak asymptotics analysis of soliton dynamics for the Korteweg–de Vries equation*

14:30 – 14:40 Coffee/Tea/Chatting break

Chair: Michael Oberguggenberger

14:40 – 15:00 Jasmina Veta Buralieva: *Asymptotic results for the Stockwell and wavelet transforms of derivative Lizorkin distributions*

15:00 – 15:20 Astrit Ferizi: *Directional short-time fractional Fourier transform and asymptotic behavior of generalized functions*

15:20 – 15:40 Anabela S. Silva: *Analysis of Fractional Delay Differential Equations with Non-Singular Kernels*

15:40 – 15:45 break – prepare for the excursion, take your cup of coffee/tea and sit comfortably ☺, “do not miss the bus” ☺

15:45 – 16:15 Virtual excursion to **Philippines** led by Jerielle Malonzo