NUMTA 2023 Special Session on

Approximation theory and algorithms with applications to AI/ML

Special Session Organizers:

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The special session is aimed at gathering researchers on applied, computational, and abstract harmonic analysis (time-frequency analysis, frames, bases, phase retrieval, Gabor and wavelet analysis) and numerical analysis (approximation, kernel theories, dimensionality reduction, deep learning, machine learning, sampling and interpolation, statistical signal processing, optimal point configurations, and statistical physics).

One of the main features will be the unity of theory and applications, with outcomes covering various areas of science and technology.

The participation of young people working on these subjects is welcome; it is an occasion to meet experienced researchers and discuss new perspectives and possible developments.