



## Time-Frequency Analysis, Distributions, and Operators

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### Message from the Guest Editors

This Special Issue aims to promote the potential arising from connections between time–frequency analysis, operators, and distributions. Theory of test function spaces and their dual spaces of distributions offers a solid theoretical background for the wide range of research topics related to diverse applications. In particular, it is useful when decay or growth conditions are considered in combination with regularity properties of the considered objects. In the last two decades, tools from time–frequency analysis have offered a new perspective on these classical issues. Apart from new insights into classical theory, the new methodology has found applications ranging from physics and engineering to harmonic analysis and partial differential equations in mathematical sciences. Relevant topics include but are not limited to:

- Test function spaces and spaces of distributions
- Function spaces of harmonic analysis
- Time–frequency analysis
- Gabor and wavelet analysis
- Frames
- Pseudo-differential and fourier integral operators
- Microlocal analysis and wave-front sets





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## Message from the Editor-in-Chief

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