

The 12th International Conference of Image Processing and Wavelet Applications (IWW 2025) on Real World Problems (hybrid mode) is going to be held between November 3 and 5, 2025 at Istanbul Technical University, Istanbul, Türkiye.

The aims of IWW conference are to ensure and enhance the successful rooted tradition of the academic event by providing the participants with the opportunity to discuss recent challenges, compelling issues across different scientific theoretical, computational and applied disciplines. Thus the conference serves to offer innovative methods in diverse academic, industrial, economic, scientific and professional domains towards advancing of technologies, application areas as well as approaches to achieve applicable solutions, Besides these aspects, the significance of wavelets, theory and applications used for extracting information from different spectra are foregrounded among the other conference themes. The conference intends to be an academic opportunity for scholars, researchers, practitioners, and so forth to discuss and disseminate related experience, theories, ideas and implementations besides fostering collaboration in their respective fields.

It is a great pleasure and honor to invite you to this academic event with profound exchange of information and ideas aside from thought-provoking discussions.

With our sincere regards,

On behalf of the General Chairs, Organizing Committee and other Committees' Members

## Conference Topics

**Conference topics include, but are not limited to:**

- Applied sciences and mathematics
- Computational mathematics, simulations and numerical analyses
- AI, information sciences and engineering applications
- Machine learning and data-driven approaches
- Wavelets and its applications
- Nonlinear dynamics, chaos and complex systems
- Applied and industrial mathematics
- Mathematical physics
- Quantum computing and quantum AI
- Big data analytics and data-driven dynamical systems
- Fractals and/or fractional calculus with applications
- Fractional models of neuron
- Bioengineering and/or biomedical applications
- Computational methods in systems biology and medicine
- Algorithms and computability theory
- Probability, statistics and information theory
- Bifurcation and singularity theory
- Mathematical modeling in earth sciences, climatology and environmental sciences
- Control theory and optimization

## Important Dates

- Deadline for full paper submission: 25 August 2025
- Deadline for proposals for special sessions submission: 4 August 2025
- Early bird registration: 22 September 2025
- Source file submission: 6 October 2025

