SAVE THE DATE!

11-16 June 2028

12th International Conference on Inverse Problems in Engineering

Porquerolles, France

Topics

1. Mathematical & statistical aspects

- Theory and Methods
- Stability and error analysis
- Computational methods
- Model Identification, Reduction
- Machine learning for inversion
- Model Verification and Validation
- Uncertainty quantification

2. Design of Experiments

- Optimal Design of Experiments
- Analysis of Actual Experimental Data
- Design under uncertainty
- Model and measurements
- Noise Measurement & propagation
- Sensor modelling

3. Types of inverse problems

- Physical properties estimation
- Boundary conditions estimation
- Initial conditions estimation
- Source term estimation
- Geometric characteristics estimation
- Application to multi-disciplinary engineering science

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Prof. Keith Woodbury, University of Alabama, USA

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- Heat & mass Transfer
- Solid & fluid Mechanics
- Biology, Biochemistry & Medicine
- Tomography & Inverse Scattering
- Environmental Phenomena
- Vibrations, Acoustics
- Imaging
- Nanoengineering
- Food & Bioprocessing
- Bio- & Medical-engineering
- ... *non-exhaustive list*