

# 15th International Conference on Computational Methods

July 15th-18th 2024, Virtual Conference

## ICCM2024 Plenary Lecture List

### Plenary Lecture (PL)

- PL-1: Probabilistic Learning on Manifolds (PLoM) for statistical surrogates of stochastic nano-to-macro systems with uncertainties, and updating from small and incomplete datasets  
*Christian Soize, Université Gustave Eiffel, France*
- PL-2: Generalized free element method for solving mechanics problems  
*Xiao-wei Gao, Dalian University of Technology, China*
- PL-3: (To be determined.)  
*Chao Jiang, Hunan University, China*
- PL-4: Wavelet Solution of Nonlinear Mechanics Problems  
*Jizeng Wang, Lanzhou University, China*

### Semi Plenary Lecture (SPL) (sorting by last name)

- SPL-1: Seismic SSI of a rectangular underground structure through SPH-FEM coupled simulation  
*Zhiyi Chen, Tongji University, China*
- SPL-2: Transient analysis of orthotropic thick and thin plates using low-order triangular elements  
*Joe Petrolito, La Trobe University, Australia*
- SPL-3: Failure of quasi-brittle materials: revisit the cohesive theories of fracture  
*Rena C. Yu, University of Castilla-La Mancha, Spain*
- SPL-4: Learning Various Complex Wind Fields for Efficient Soaring  
*Yao Zheng, Zhejiang University, China*