



CALL FOR PAPERS

ICCGCS 2020
Mar 19-20, 2020
Dubai, UAE

The International Research Conference is a federated organization dedicated to bringing together a significant number of diverse scholarly events for presentation within the conference program. Events will run over a span of time during the conference depending on the number and length of the presentations.

ICCGCS 2020 : International Conference on Computational Geomechanics and Consolidation Simulations is

the premier interdisciplinary forum for the presentation of new advances and research results in the fields of Computational Geomechanics and Consolidation Simulations. The conference will bring together leading academic scientists, researchers and scholars in the domain of interest from around the world. Topics of interest for submission include, but are not limited to:

Computational geomechanics	Time-integration algorithms
Mathematical modeling in geomechanics	Consolidation simulations
Theory and applications	Numerical simulation of incremental construction/excavation
Geomechanical modeling	Interface elements
Governing differential equations	Dynamic response of saturated porous media
Geometry of the solution domain and its associated boundary	Constitutive modeling
The boundary conditions	Deterministic analysis
The material response	Geomaterials
Continuum assumptions	Stochastic analysis
Physics of flow through porous media	Soil mechanics
Governing equations for the solid phase	Soil-structure interaction
Governing equations for the fluid phase	Rock mechanics
Mixed formulations and associated elements	