



CALL FOR PAPERS

ICCGMMA 2020
Mar 19-20, 2020
Prague, Czechia

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.

ICCGMMA 2020 : International Conference on Computational Geomechanics, Mathematical Modeling and Algorithms is

the premier interdisciplinary forum for the presentation of new advances and research results in the fields of Computational Geomechanics, Mathematical Modeling and Algorithms. 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	Consolidation simulations
Mathematical modeling in geomechanics	Numerical simulation of incremental construction/excavation
Governing differential equations	Interface elements
Geometry of the solution domain and its associated boundary	Dynamic response of saturated porous media
The boundary conditions	Constitutive modeling
The material response	Deterministic analysis
Continuum assumptions	Geomaterials
Physics of flow through porous media	Stochastic analysis
Governing equations for the solid phase	Soil mechanics
Governing equations for the fluid phase	Soil-structure interaction
Mixed formulations and associated elements	Rock mechanics
Time-integration algorithms	