



## CALLS AND EVENTS



**POLITECNICO**  
MILANO 1863

### 1-DAY COURSE ON MULTI-PHYSICS PROCESSES IN GEOMECHANICS BY COUPLED NUMERICAL ANALYSIS

The 1-day course is aimed to give hints about coupled numerical analyses, where the interaction of pore water, chemical reactions and mechanical response in two and three phases porous materials are explicitly modelled. The course will be held in presence (Politecnico di Milano, Leonardo Campus). Online attendance will be allowed to registered participants only in case of difficulties in reaching the location and on request. The fees for students are 60 € and cover teaching material, coffee break and lunch. Further information about course contents, lecturers and registration can be found on the website.

30 August 2022



## SEMINARS AND WORKSHOPS



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### NEXT GENERATION SUSTAINABLE BIO-MIMETIC, BIO-INSPIRED AND BIO-ENABLED MATERIALS

**Prof. Giuseppe Maria Paternò**

The workshop will be organized into three main topics: materials synthesis, characterization and bioapplications.

26-28 September 2022



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### ADVENTURES WITH ELECTROCHEMICAL JETS

**Prof. Adam Clare (University of Nottingham)**

Prof. Clare's talk will provide an introduction to the state-of-the-art by drawing together these interdisciplinary research avenues into a single session

July 7th, 2022



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### IN-SITU CHARACTERIZATION OF H EFFECTS IN METALS

**Prof. Cem Tasan (Massachusetts Institute of Technology)**

Prof. Tasan's talk will introduce several in-situ characterization techniques of H effects in metals

July 13<sup>th</sup>, 2022





**NATURAL FIBER AND HYBRID COMPOSITES: SCIENCE AND TECHNOLOGY**  
**Prof. Sandro Campos Amico (Federal University of Rio Grande do Sul)**

Prof. Amico's talk will provide concepts on natural fibers (e.g., types, composition, production, reinforcement architecture and prepregs), and their use in composites.

July 20<sup>th</sup>, 2022

