

# Constitutive modeling of materials

## Session organizers

1. Eduardo Bringa, ICB, UNCu-CONICET, Mendoza, Argentina.
2. Graciela Bertolino, Centro Atómico Bariloche (CNEA), Instituto Balseiro, CONICET, San Carlos de Bariloche, Argentina.
3. Martín Idiart, UNLP-CONICET, La Plata, Argentina.
4. Javier Signorelli, IFIR, UNR-CONICET, Rosario, Argentina.

## Description

This session brings together contributions on recent advances in the modeling of material responses at all spatial and temporal scales. Topics of interest include development and application of constitutive theories describing mechanical, physical and coupled such as elasto-plasticity, visco-plasticity, hyperelasticity, thermal conductivity, ferroelectricity, etc. Theories based on multi-scale atomistic simulations and methods will be of particular interest.