

## **ICONSOM 2022**

June 13-16, 2022, in Alghero, Sardinia, Italy

**MS-9 Contact Mechanics of Interfaces** [Organizers: APS Selvadurai (McGill University, Canada), Anil Misra (University of Kansas, USA), Antoine Wautier (Aix-Marseille Univ., INRAE, France).

The topic of contact mechanics has a long and rich history dating back to the works of Hertz, Boussinesq, Love, Mindlin, Deresiewicz, Galin, Fichera and culminating in the classical works by Harding, Sneddon, Lur'e, Johnson, Gladwell and others. These classical studies have been extended to include more sophisticated versions of the mechanics of contact that address processes such as finite friction, solid and capillary cohesion, dilatancy, separation at contact that lead to computationally challenging problems areas including incorporation of interface degradation, surface morphology, and rate effects. The results of these studies have found applications in diverse areas of engineering mechanics including materials science, tribology, mechanics of granular media, landslides and debris flow, earthquake geosciences, etc. This session is devoted to the presentation of recent research covering all areas science and engineering where the role of contact mechanics at various scales can be an important factor in the study of the aforementioned problem areas. Papers are invited on any topic covering contact mechanics either form analytical, computational or experimental perspectives.