

**SS02 : Composite materials: processes and properties** (Prof. Abdelghani SAOUAB, Université Le Havre Normandie, France & Prof. Chung Hae PARK, Ecole des Mines de Douai, France)

This special session will gather researchers, engineers, academy staff and PhD students who have a common interest in the field of processes and properties of composite materials. The aim is to offer a forum to this community to present their most recent work and to exchange their views concerning research in this field. Its theme will cover all the aspects of forming processes, structure/property, aeronautic applications, and coupling process/property. The contributions can include experimental investigations, theoretical models and advanced computational methods at various length scales. This session will include, but not be limited to, the following subjects:

- Composite reinforcements forming,
- Mechanical behaviour of meso-macro textile reinforcements,
- Liquid composite molding processes (RTM, CRTM, Infusion...),
- Flows with short fibers (Injection, SMC, BMC...),
- Properties of composite materials,
- Interaction manufacture/structures.

