

## **Mini-symposium 5.5: Shape and topology optimization**

### **Organisers**

François Jouve (Paris 7), Alex Ferrer (CIMNE, Espagne)

### **Mini-symposium description**

This session focuses on the latest developments in shape, topology, and material optimization. It encompasses discussions on concepts such as shape and topological derivative, homogenization, multi-scale techniques, material design, and inverse problems. Additionally, it welcomes exploration into various physical models including linear and non-linear elasticity, electromagnetism, thermal problems, and more. The session encourages contributions that focus in both theoretical insights and numerical advancements in these areas.