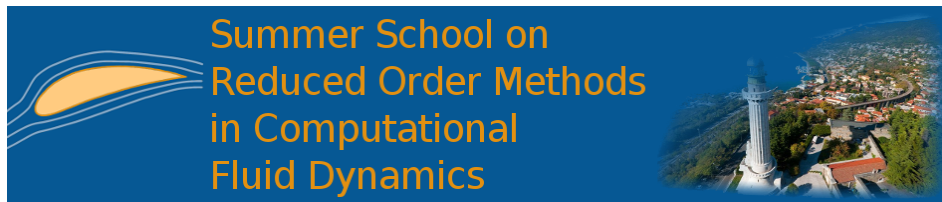


Summer School on Reduced Order Methods in Computational Fluid Dynamics



Contribution ID: 76

Type: **not specified**

Reduced Order Methods for Boundary Conditions Estimation

In continuous casting machinery, the molten metal solidifies in a mold. In order to control the casting process, a proper knowledge of the heat flux between the mold and the metal is crucial. This boundary condition can be estimated using thermocouples measurements inside the mold and solving an inverse problem. In this research we exploit model order reduction techniques to achieve an online solution of this problem.

Presenter: Mr MORELLI, Umberto (ITMATI)

Session Classification: Poster blitz