# Università degli Studi di Pavia
## Dipartimento di Ingegneria Civile e Architettura
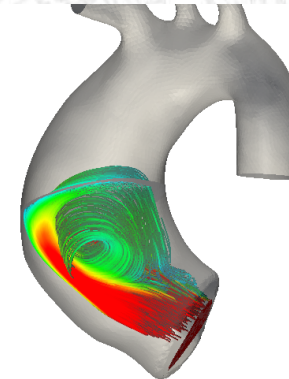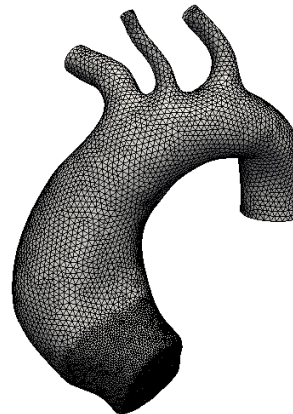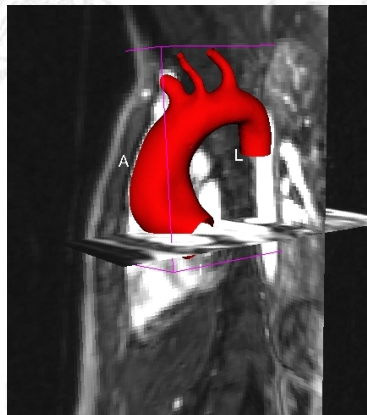
*SEMINAR*

## From medical images to vascular simulations

Nowadays it is more and more important the use of patient-specific informations for the study and comprehension of fluid-dynamic in arteries. In this talk we will present some of the important steps that should be faced in a classical pipeline from medical images to patient-specific computational results. In particular we will present a new method for the reduction of metal artifacts in Computed Tomography images and our tool for the generation of computational grids for fluid-structure simulations. Finally, a brief example of a patient-specific application will be shown.

**Dr. Elena Faggiano**
**LaBS &  MOX – Politecnico di Milano**

*October 30, 11:15am (sharp)*
**DICAR MS1 Meeting Room**
Via Ferrata, 3 – Pavia