

## **BIO-CFD Case-history: Introduction on CFD in hemodynamics**

*Wednesday, 25 September 2013 11:00 (1 hour)*

Wide range of haemodynamics CFD application is presented (medical implantable devices, blood filters, multi-scale-models, non-Newtonian rheology,...) to perform in silico health-care research and medical device design.

The main expected benefits of the lecture+tutorial for attendants are:

- enlarge their knowledge on state of art methods and algorithms;
- apply best practices on state-of-the-art software deployment;
- experience technical tips-and-tricks throughout the different phases of the tutorial;
- learn from case history and practical applications told by CFD expert.

**Presenter:** Dr PONZINI, Raffaele (CINECA)

**Session Classification:** Computational Fluid Dynamics

**Track Classification:** Computational Fluid Dynamics