

Recent developments on modelling fluid-structure interaction problems in haemodynamics

Luca Formaggia^{*}, Fabio Nobile^{*} and Christian Vergara^{}**

^{*}Politecn Milan, MOX, Dept Math, I-20133 Milan, Italy, luca.formaggia@polimi.it
fabio.nobile@polimi.it

^{**}Univ Bergamo, Dept Informat Technol & Math Methods, I-24044 Dalmine, BG Italy,
christian.vergara@unibg.it

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PROPOSAL

Fluid structure interaction problems appear frequently in haemodynamics: blood flow in large arteries or the movement of aortic or venous valves are two typical examples. The development of efficient numerical schemes for this type of problem is still an open research field, even if several advancements have been made in the last decade. Other related issues are contact dynamics, the set up of correct boundary conditions and structural models.

The scope of this minisymposium is to gather researchers working in this field and give an overview of the current state of the art.