International workshop Mathematical Modeling in Hemodynamics

Saint-Etienne, November 19-21, 2018

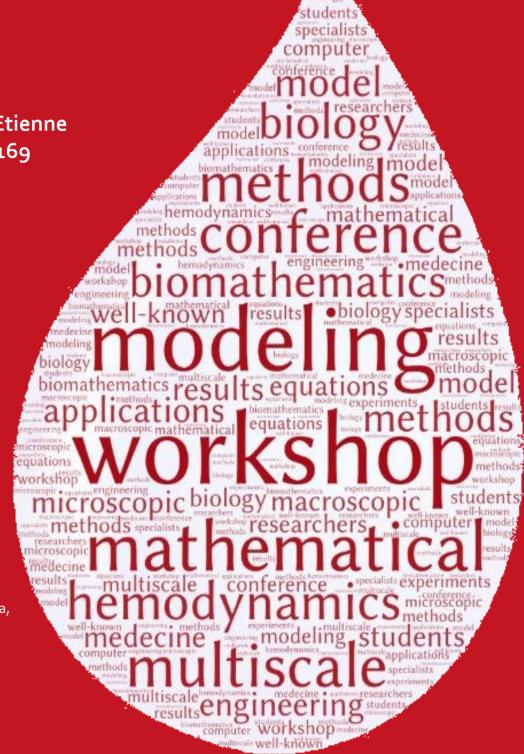
Ecole Nationale Supérieure des Mines de Saint-Etienne Research Federative Structure MODMAD FED 4169 Université Jean Monnet, Université de Lyon, ICJ UMR CNRS 5208

Organizers:

S. Avril, Mines Saint-Etienne, France G. Panasenko, University Jean Monnet, Université de Lyon, France

Speakers:

Miquel Aguirre, Mines Saint-Étienne, France,
Stéphane Avril, Mines Saint-Étienne, France,
Cristobal Bertoglio, Bernouilli Institute, Groningen, Netherlands,
Antonio Gil, Swansea University, UK,
Aleksandr Grigoriev, North-Eastern Federal University, Yakutsk, Russia,
Yiqian He, Dilian University, China,
Marie-Hélène Lafage Proust, University Jean Monnet, France,
Grigory Panasenko, University Jean Monnet, France,
Konstantin Pileckas, Vilnius University, Lithuania,
Olga Stikoniene, Vilnius University, Lithuania,
Yury Vassilevskii, Institute of Numerical Mathematics
of Russian Academy of Sciences, Moscow, Russia.



The workshop is devoted to an important trend in biomathematics, mathematical modeling in hemodynamics.

This workshop continues the series of conferences on multiscale methods and applications in engineering and biology. Such methods combine microscopic and macroscopic descriptions of the phenomena and are usually based on asymptotic and numerical analysis of the microscopic model equations. The application of these methods allows creating new more adequate and more precise models in biology and medicine.

The workshop will bring together the well-known specialists in the topic and young researchers and students. The theoretical results will be presented together with the numerical and computer experiments.











