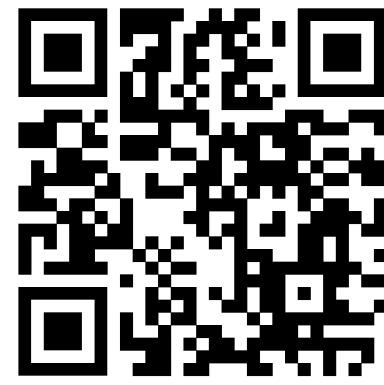




FLOWTIME: 6th CARGESE school on FLOW and Transport In porous & fractured MEdia

10-21 June 2024, Cargèse, Corsica, France



Linking life supporting functions of the subsurface across disciplines:

The 6th Cargèse summer school will be jointly organized by CNRS, NSF, the university of Rennes and the university of Oslo. It will take place from June 10 to June 21 2024 at the Cargese Institute, Corsica, France. The summer school will provide high-level interdisciplinary training on porous and fracture media processes. This 6th summer school will more particularly focus on life supporting functions of the subsurface at interfaces between hydrology, geophysics and biological processes.

Program overlook: The daily program will include 2 lectures on fundamental processes and 2 research seminars presenting the most recent advances in this field. Hands-on exercises will be organized on i) numerical methods, ii) laboratory imaging, iii) field sensing and monitoring. Each participant will have the opportunity to present his/her work during poster sessions.



Fundamental processes:

- Flow and transport in saturated/unsaturated media
- Groundwater: a life sustaining resource
- Groundwater temperature : a critical environmental variable
- Bigeochemical exchanges at hydrological interfaces
- Life supporting functions of porous media
- Reactive transport: interactions between rocks, life and water
- Upscaling: from the porous to the global scale

Tools:

- Numerical simulation methods
- Microtomography imaging
- Micro(milli)fluidics methods
- Distributed Temperature Sensing
- Low cost environmental sensors
- Deep learning and inversion
- Hydrogeophysical methods

Organizing Committee: Tanguy Le Borgne, Camille Bouchez, Maria Klepikova, Cyprien Soullaine, Dani Or, John Selker, François Renard

