

INSTITUT D'ETUDES SCIENTIFIQUES DE CARGÈSE

Cargèse International School 2018

Flow and Transport in Porous and Fractured

Media (4th edition)

June 25th - July 7th, 2018

Web site

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The objectives of the Cargèse summer school are to provide participants with a high level interdisciplinary training on the fundamental processes and recent theoretical and methodological advances that have emerged in the study of flow, transport and biogeochemical processes in the subsurface.

During this edition, we will explore in detail the role of these processes within the Critical Zone, in collaboration with OZCAR (the French network of Critical Zone Observatories) and the equipex project CRITEX (<https://www.critex.fr>). We will also present the state of the art in actual applications, including global water management, ecohydrology, geothermal energy, CO2 storage, induced seismicity, sea water intrusion, underground remediation, risk assessment for nuclear waste storage and shale gas exploitation.

Eminent scientists in the field will animate the workshop. These include:

Pietro de Anna (Univ de Lausanne CH), Peter Bayer (Technische Hochschule Ingolstadt, DE), Martin Blunt (Imperial College of London, UK), Olivier Bour (Univ Rennes 1, FR), Jeff Caers (Stanford University, USA), Philippe Van Cappellen, (Univ of Waterloo, CA), Jesus Carrera (Spanish National Research Council, ES), Olaf Cirpka (Univ of Tübingen, DE), Philippe Davy (Univ Rennes 1, FR), Marco Dentz (Spanish National Research Council, ES), Jean-Raynald de Dreuzy (Univ Rennes 1, FR), Jennifer Druhan (University of Illinois, USA), Ty Ferre (Univ of Arizona, USA), Jan Fleckenstein (Helmholtz Center for Environmental Research, UFZ, DE), Jérôme Gaillardet (Inst de Physique du Globe de Paris, FR), Rien van Genuchten (Utrecht Univ NL), Joaquin Jimenez-Martinez (EAWAG, ETH Zürich, CH), Damien Jougnot (Sorbonne Univ., FR), Tanguy Le Borgne (Univ Rennes 1, FR), Niklas Linde (Univ de Lausanne, CH), Michael Manga (Univ of California, Berkeley, USA), Yves Méheust (Univ Rennes 1, FR), Insa Neuweiler (Univ of Hannover, DE), Auli Niemi (Uppsala University, SE), Jan Olof Selroos (Swedish Nuclear Fuel and Waste Management Company, SE), Dani Or (ETH Zürich, CH), Beth Parker (Univ of Guelph, CA), Antonio Pio Rinaldi (ETH Zurich CH), Michel Quintard (Inst de Mécanique des Fluides de Toulouse, FR), Clément Roques (ETH Zürich, CH), Bridget Scanlon (The Univ of Texas at Austin, USA), John Selker (Oregon State Univ, USA), Kamini Singha (Colorado School of Mines, USA), Cyprien Soullaine (Stanford Univ USA), Patrick Tabeling (ESPCI ParisTech, FR), Robin Tecon (ETH Zürich, CH), Emmanuel Villermaux (Aix-Marseille University, FR)

Scientific Committee

Beth Parker (Univ of Guelph, Ca), Bridget Scanlon (Univ of Texas at Austin, USA), Kamini Singha (Colorado School of Mines, USA), Andrew Binley (Lancaster Univ, UK), Ty Ferré (Univ of Arizona, USA), Jesus Carrera (Inst of Earth Science Jaume Almera (CSIC), Barcelona, ES), Olaf A. Cirpka (Tübingen Univ, DE), Jan Fleckenstein (Helmholtz Centre for Environmental Research UFZ, DE)

Organization Committee

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Application and registration

<https://cargese2018.sciencesconf.org/>
Contact : cargese2018@groups.renater.fr

Deadline Application : 2018 March 1st

Registration Fees + Accomodation : 1150€



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