



Modelling Simulation and Risk Assessment for Fractured Geological Media Workshop

Dearing building, Jubilee campus,
University of Nottingham

Wednesday 27th March - Friday 29th March

We are pleased to invite you to the workshop "Modelling, Simulation and Risk assessment for Fractured Geological Media" to be held on 27-29 March at Jubilee Campus Dearing Building, University of Nottingham.

The workshop is hosted by GERC (GeoEnergy Research Centre) within the context of the SECURE EU project, which focuses on monitoring and risk assessment of CCS (carbon capture and storage) and unconventional reservoirs.

The workshop will include research talks and training sessions for PhD students and young researchers on modern computational tools for geological applications.

Participation to the workshop is FREE and open to everyone.
Registration is required.

GERC
GeoEnergy Research Centre

#UoNSECURE

SECURE
Subsurface Evaluation of CCS
and Unconventional Risks



Our Guest Speakers

We are pleased to invite you the following guest speakers to present at this event.

Professor Marco Dentz - Professor at the Institute of Environmental Assessment and Water Research (IDAEA), Spanish National Research Council (CSIC).

Professor Alberto Guadagnini - Full Professor at Politecnico di Milano, Milano, Italy.

Dr. Florian Doster - Associate Professor within the Institute of Petroleum Engineering, Heriot-Watt University.

Dr. habil. Christopher I. McDermott - Senior Lecturer within School of Geosciences, University of Edinburgh.

Dr. Yuhe Wang - Assistant Professor, Texas A&M University at Qatar since 2015.

Dr. Gianluca Boccardo - Assistant Professor in the Department of Applied Science and Technology, Politecnico di Torino

Dr. Piotr Letkowski - INIG Oil and Gas InSTITUTE, National Research Institute

Dr. Marco Iglesias - Assistant Professor in Scientific Computation, University of Nottingham

Dr. Federico Municchi - Research Fellow in Applied Mathematics, University of Nottingham

Dr. Xavier Raynaud - Research Scientist in the department of Mathematics and Cybernetics, SINTEF

Dr. Halvor Nilsen - Senior Research Scientist in the department of Mathematics and Cybernetics, SINTEF



Day 1: Welcome and Introduction

Dearing Building, Jubilee Campus, Room C35

Time	Activity
9:00 – 10:00	Welcome coffee (Dearing atrium)
10:00 – 12:00	WP4 meeting (EU SECURe project members only)
12:00 – 13:30	Lunch (Dearing atrium)
13:30 – 14:30	Overview of FrackRisk (Furthering the Knowledge Base for Reducing the Environmental Footprint of Shale Gas Development) EU project Invited Speaker – Alberto Guadagnini (Politecnico di Milano)
14:30 – 15:30	Coffee and group discussion
16:00	(University Park, Mathematical Sciences Building, Room A17) IAM Seminar Invited Speaker: Marco Dentz (CSIC, Barcellona)
18:00	Dinner - The Hemsley, University Park

Day 2: Research Talks

Dearing Building, Jubilee Campus, Room C45

Time	Activity
9:00 – 10:00	Coffee (Dearing atrium)
10:00 – 12:00	Model reduction technologies Invited speakers: Florian Doster (Heriott-Watt), Yuhe Wang (QATAR TAMU), Gianluca Boccardo (Torino)
12:00 – 13:00	Lunch (Dearing atrium)
13:00 – 15:00	Geomechanics/flow coupling Invited speaker: Piotr Letkowski (INIG), Chris McDermott (Edinburgh)
15:00 – 15:30	Coffee break (Dearing atrium)
15:30 – 17:30	Risk assessment and data assimilation Invited speaker: Alberto Guadagnini (Milano), Marco Iglesias (Nottingham)

Day 3: Training and Mini Courses

Dearing Building, Jubilee Campus, Room B43

Time	Activity
9:00 – 10:00	Coffee (Dearing atrium)
10:00 – 12:00	Open FOAM and Multicontinuum Models Speaker: Federico Municchi
12:00 – 13:00	Lunch (Dearing atrium)
13:00 – 15:00	Matlab Reservoir Simulation Toolbox / MDEM (SINTEF) Invited speaker: Halvor Nilsen and Xavier Raynaud, SINTEF
15:00 – 15:30	Coffee break (Dearing atrium)
15:30 – 16:30	Matlab Reservoir Simulation Toolbox / MDEM (SINTEF) Halvor Nilsen and Xavier Raynaud, SINTEF