

Clay Micromechanics 2022

28 - 29 April 2022

Venue: Lorentz Center@Snellius (hybrid)

2nd Floor Snellius Building, Niels Bohrweg 1, 2333 CA Leiden, Netherlands

Website: <https://www.lorentzcenter.nl/clay-micromechanics-2022.html>

Workshop program

Thursday

- 10:00 Structure of the Workshop and expected outcomes
- 10:15 Wrap-up the outcomes of the January online Workshop
- 11:00 *Coffee/tea break*
- 11:15 Collective peer-review of first tentative outline of the four position papers
- 12:30 *Lunch*
- 13:30 Groups working individually towards the paper outline (what and who does what)
- 15:00 *Coffee/tea break*
- 15:30 Groups working individually towards the paper outline (what and who does what)
- 16:30 End of day 1
- 18:00 Workshop Dinner (Zilt Katwijk aan Zee - <http://ziltstrand.nl/>) – a bus heading to the restaurant's venue will depart **from the Lorentz Centre at 17:30**

Friday **The nanoscale. Electro-chemical forces generated at the clay surface**

- 09:00 Presentation of the outline drafted on day 1 (10' per group)
- 09:40 Collective peer-review of tentative outline of the four position papers
- 10:40 *Coffee/tea break*
- 11:00 Groups working individually towards the paper outline (following morning's feedback)
- 12:30 *Lunch*
- 13:30 The way forward
- 14:45 *Coffee/tea break*
- 15:00 Brainstorming on COST Action proposal
- 16:00 End of day 2

Working Group & Position Paper 1: Fundamentals and quantitative analysis of clay particle interactions

Alessandro Tarantino

Claire Chassagne

Alice Di Donna (online)

Working Group & Position Paper 2: Experimental clay micromechanics

Jelke Dijkstra

Matteo Pedrotti

Cino Viggiani

Mahdia Hattab

Anne-Catherine Dieudonné

Guido Musso (online)

(Pierre Delage)

Working Group & Position Paper 3: Modelling clay particle systems

Arianna Pagano

Catherine O'Sullivan

Angela Casarella

Fernando Alonso-Marroquin (online)

Farhang Radjai (online)

Working Group & Position Paper 4: From micromechanical behaviour to modelling engineering problems

Vanessa Magnanimo

Cristina Jommi

Angelo Amorosi

Pierre-Yves Hicher (online)

Gabriele Della Vecchia (online)