



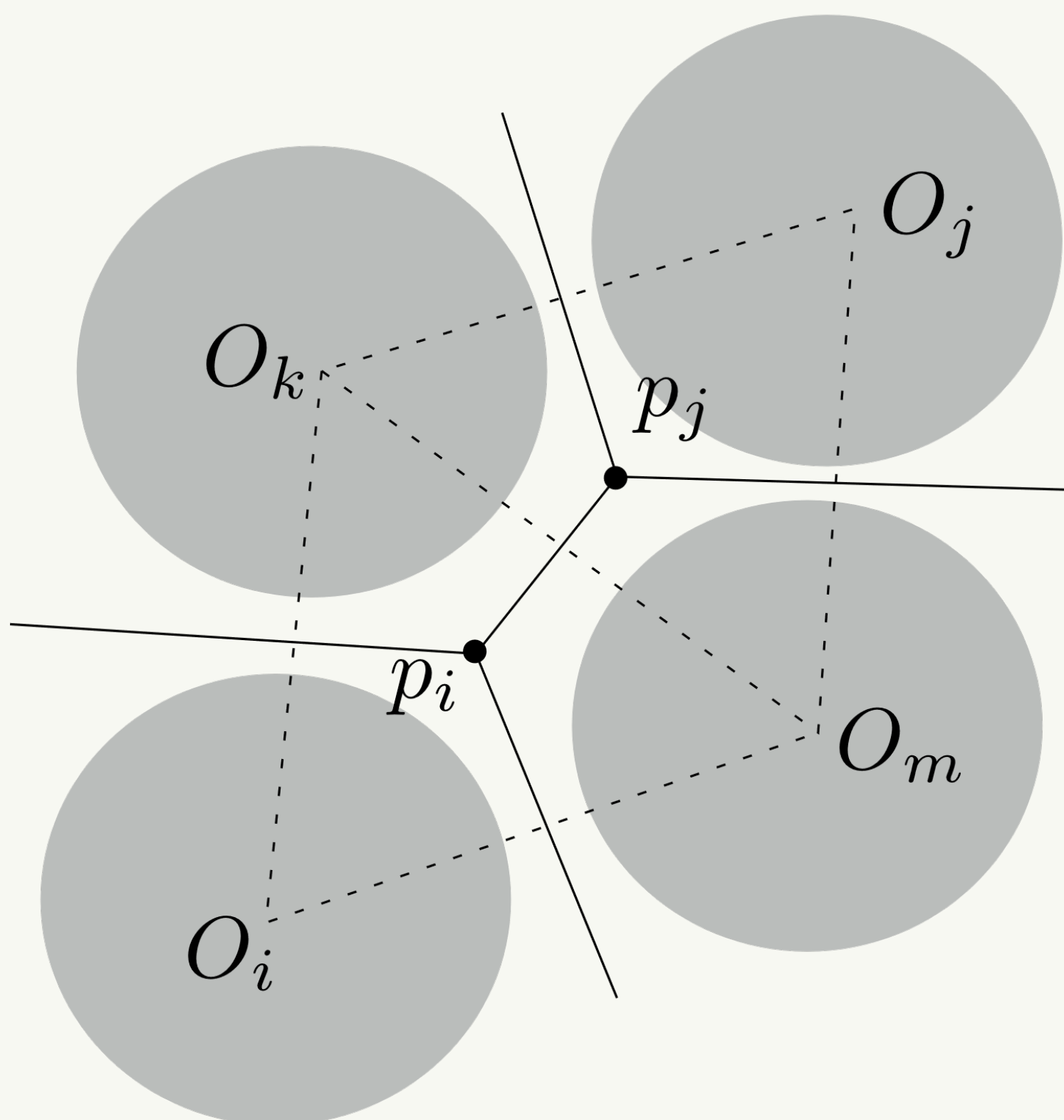
Yade Short Course

Tackling Challenging DEM Problems

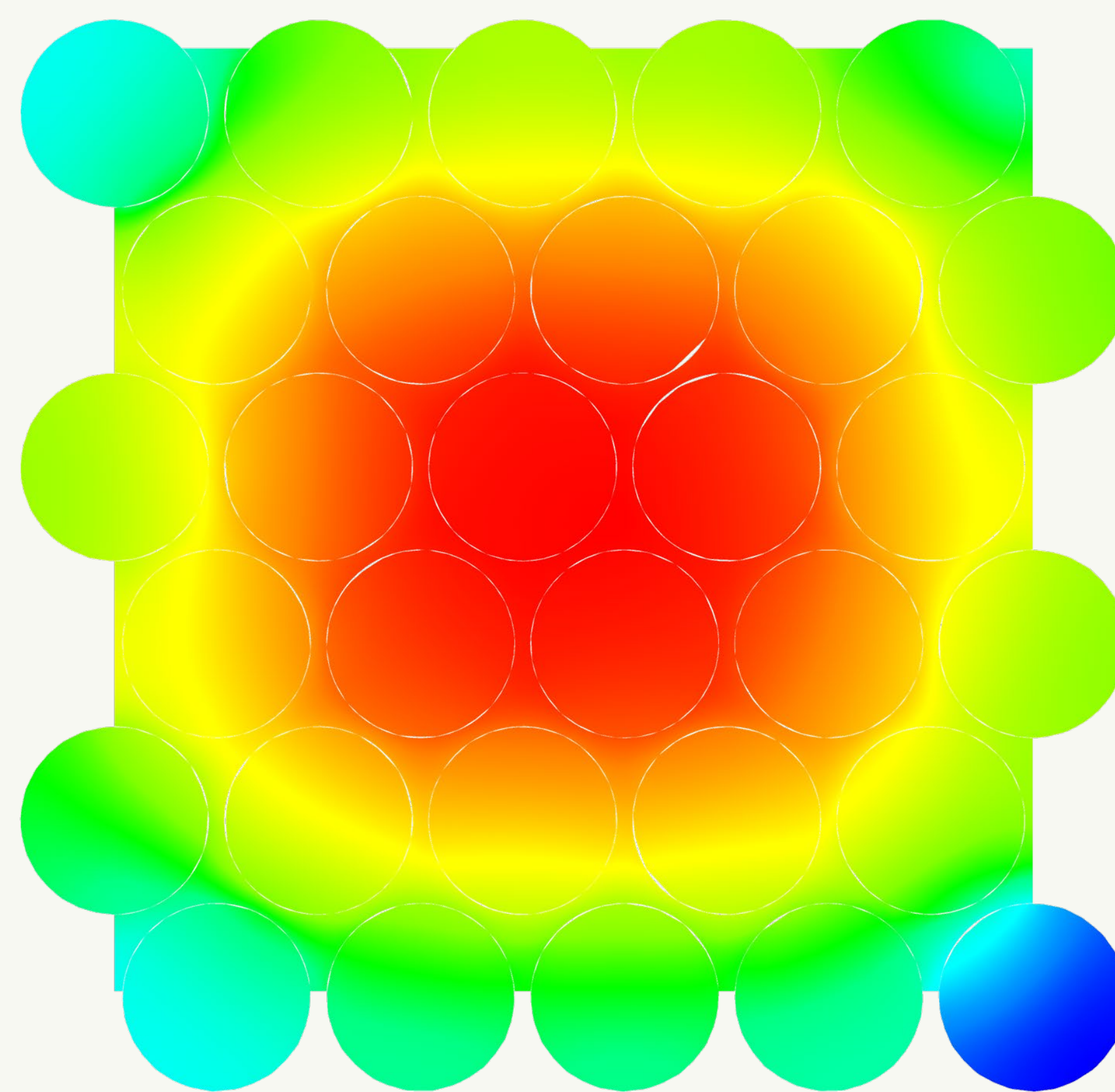
📅 15-17 September 2023
@ Erlangen, Germany

DEM9
Satellite event to DEM9

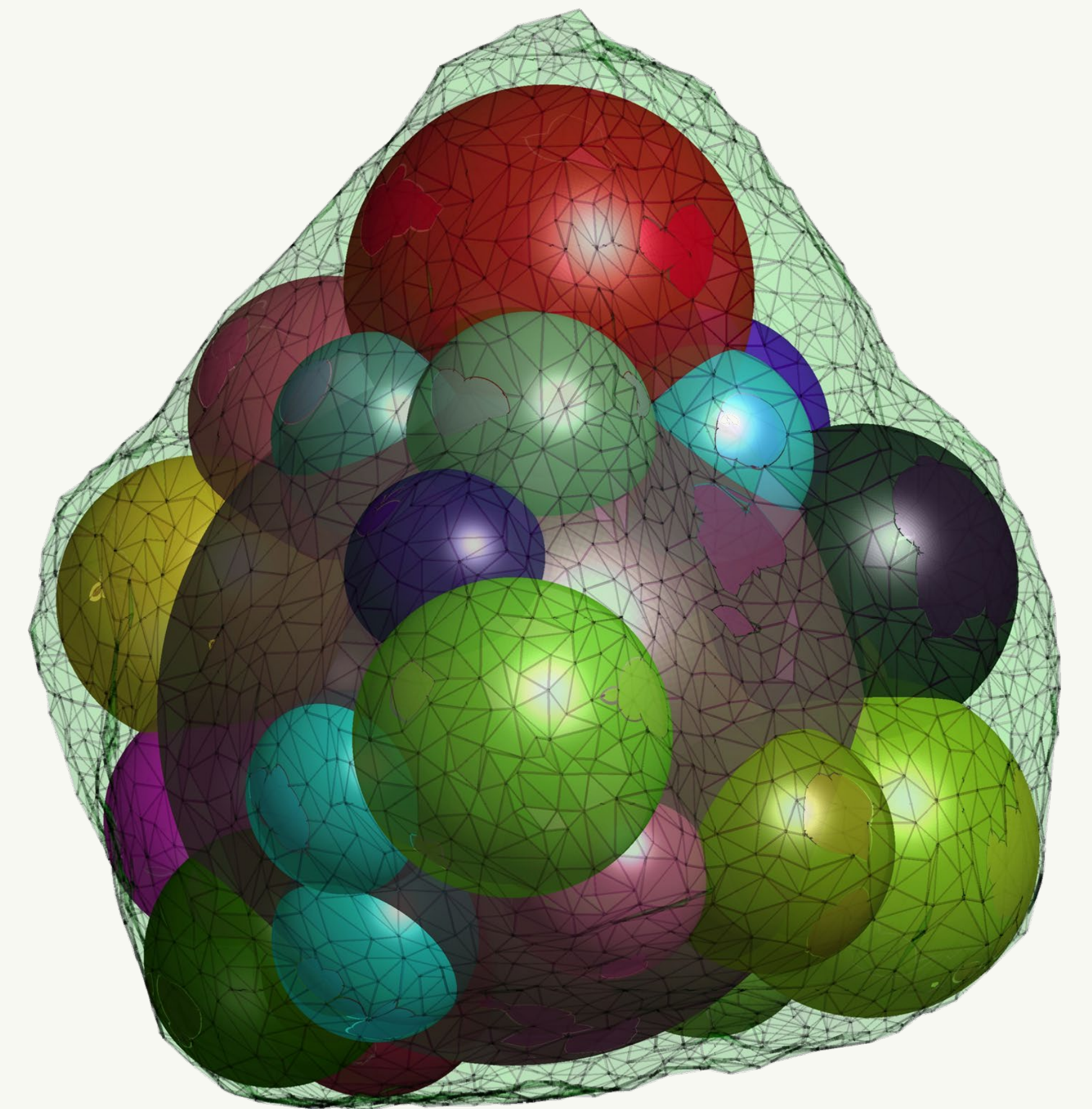
Pore-scale networks



Thermal physics



Non-spherical particles



Tutors:

Dr. habil. Bruno Chareyre
Dr. Vasileios Angelidakis
Dr. Robert Caulk

Day 1: Introduction

- Introduction to DEM, Yade & Python
- Hands on installation & Python scripts

Day 2: Fluid & Thermal couplings

- Theory – grain-fluid mixtures, long- and short-range effects, pore-scale triangulation
- Hands on – building a poroelastic script
- Brief ML exercise – training a deep surrogate

Day 3: Non-spherical particles

- Clumps, potential blocks, potential particles
- Hands on – exploring particle-shape effects

Registration

Academic: €300/500*
Industry: €900/1100*

Deadline: 7 September 2023

Contact: yadeshortcourse@gmail.com

Register here:



<https://forms.gle/2BB997nKeXKPKxRY6>

* Fee for non-DEM9 participant