



3D Printing and Digital Rock Physics Workshop

August 3rd (Monday) in Santa Fe, NM

Organizer: Hongkyu Yoon, Sandia National Laboratories

This workshop focuses on digital rock physics techniques used to characterize petrophysical and mechanical properties across scales inferred from multi-scale images from (sub) pore- to core scales and applications of 3D printing techniques to digital rock physics. Recent advances in 3D printing materials and techniques will be introduced to discuss the possibilities of bridging to recent advances in in-situ multi-scale imaging and modeling from pore to core scales. Topics of interest include, but are not limited to, fluid flow and mechanical behaviors on 3D digital rock structures, technologies related to 3D printings of geo-materials, and their applications for upscaling. Future research initiatives will be discussed in developing constitutive laws for transport and geomechanics via digital rock physics.

The workshop is invitation-only and consists of oral presentations and discussion.

If there is anyone who is interested in participating or presenting, please contact Hongkyu Yoon (hyoon@sandia.gov).

