## Digital core analysis: now and beyond.

## Dmitri Koroteev

We present an overview of technical aspects of digital core (digital rock) technology in application to hydrocarbon reservoir characterization. We discuss major blocks of digital rock workflow including 2D and 3D microstructural imaging and image processing, analysis of fluid data and approaches to simulation of complex flows in digitized rock samples. Shortcomings and advancement areas are in a focus of the talk. We highlight major directions for research studies to expand the real life utilization of digital rock.