

FALL 2024 PETEROLEUM ENGINEERING SEMINAR SERIES

Class Venue: EN305 | September 18, 2024 | 4:30 - 5:20 p.m.

Dustin Crandall, Ph.D.

Dustin Crandall is a research engineer and group lead of internal research associated with Carbon Storage at the National Energy Technology Laboratory. He graduated from Clarkson University in 2007 with a PhD in Mechanical Engineering. Following graduation, he has worked at NETL in various capacities, and his primary research activities have focused on understanding multiphase transport in geologic media using computed tomography.



Core Characterization for Energy Applications

The core characterization and flow laboratory at the National Energy Technology Laboratory in Morgantown WV examines rock cores from across the country using non-destructive measurement techniques including computed tomography scanning and high-resolution logging. Since 2017 over 90 wells have been described using this equipment, and the data has been made publicly available through the Energy Data Exchange and technical reports. This talk will focus on the methods used to obtain this core data, where to access it, and provide some examples of work done in the past several years to use these core characterization results for energy related applications.



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