Draft Program Agenda

Title: Workshop on Digital Rock Physics Derived Rock Mechanics Properties
Date: Sunday, 28 June 2015, 8:30 am – 4:45 pm
Venue: The Westin St. Francis, San Francisco
Organized by: American Rock Mechanics Association and Society of Core Analysts
Hosts: John Shafer/consultant; Mike Myers/Univeristy of Houston; Lori Hathon/Shell; Mark Knackstedt/FEI-Lithicon

Session	Time	Title	Speaker	Company
Introduction	8:30 - 8:40	Workshop Objectives	Shafer, Myers, Hathon	
Rock 3D Imaging	8:40 - 9:05	Introduction to DRP and Predicted Rock Properties	Mike Marsh	Zeiss
-Conventional rocks: Micro- CT Imaging	9:05 - 9:40	FIB/SEM & Image Processing for Shales	Lori Hathon	Shell
-Unconventional rocks: FIBSEM	9:40 - 10:05	Thin Section 2D-3D image processing and compaction modeling.	Mike Myers/Lori Hathon	Univ. of Houston & Shell
	10:05 - 10:20	DISCUSSION		
Tea & Coffee break	10:20 - 10:35			
	10:35 - 10:55	High Performance Computing For image processing applications	Alon Arad	Shell
Computing and Scale-Up Issues	10:55 - 11:15	Multiscale Digital Rock Physics and 3D printing	WaiChing Sun	Dept of Civil Eng. & Eng. Mechanics, Columbia Univ.
	11:15 - 11:35	Elastic and Mechanical Properties from DPR: Scales of Measurement and Upscaling	Jack Dvorkin	Ingrain
	11:35 - 12:00	DISCUSSION		
Lunch	12:00 - 13:00			
Compaction Experimental Data versus Model	13:00 - 13:20	Comparison between micro-CT images and experimental data	Laurent Louis	NER
	13:20 - 13:40	Evaluating Fracture Aperture using micro CT Imaging	Janelle Homburg	ExxonMobil
	13:40 -14:00	Petrophysical interpretation of digital rock physics data for shale elastic properties	Joel Walls	Ingrain
	14:00 - 14:20	Consideration of In-Situ Conditions in Digital Rock Physics	Andreas Wegmann	Math2Market
	14:20 - 14:45	DISCUSSION		
Tea & Coffee break	14:45 - 15:00			
Open Form and Short Topics	15:00	Design of Micro CT cell for Compaction Measurements	Munir Aldin	Metarocklab
		Geomechanics of shale with laboratory X-ray microscopy and comparison with DRP	Andy Steinbach	Zeiss
		Short Talks by Attendees		
Wrap-up and Open Discussion	15:45 - 16:30	What advances are required to predict Rock Mechanical properties with DRP?		
Close Out	16:30 - 16:45	Thanks	Shafer, Myers, Hathon	