

Workshop on 3D Microstructure Studies
July 8-10, 2015



Wednesday

July 8, 2015

	Instructor	Session	Location
8:15am	<i>Coffee and light breakfast available</i>		<i>outside Scaife Hall 125</i>
8:30 - 8:45AM	Marc De Graef	Overview of 2015 School	Scaife Hall 125
8:45 - 9:45AM	Mike Groeber & Sean Donegan	Overview of DREAM.3D	Scaife Hall 125
9:45 - 10:45AM	Paul Salvador	3-D Characterization of Fuel Cell Materials	Scaife Hall 125
10:45 - 11:00AM	<i>Coffee Break</i>		<i>outside Scaife 125</i>
11:00AM - 12:15PM	Mike Groeber & Sean Donegan	Analysis of serial section data using DREAM.3D	Scaife Hall 125
<i>Lunch</i>			LUNCH Scaife Hall 125
12:15 - 1:15PM	<i>TOUR of Materials Characterization Facility</i>		TOUR Roberts 124
1:15 - 2:45PM	Mike Groeber	Generating synthetic 3D microstructures with DREAM.3D	Scaife Hall 125
2:45 - 3:00PM	<i>Break</i>		<i>outside Scaife 125</i>
3:00 - 3:30PM	Sean Donegan	Meshing & Smoothing microstructures using DREAM.3D	Scaife Hall 125
3:30 - 4:30PM	Marc De Graef	Rotations, rotations, and more rotations	Scaife Hall 125
4:30 - 5:00PM	Q&A		
<i>Happy Hour</i>			MSE Deck 3300 Wean Hall

Thursday

July 9, 2015

	Instructor	Session	Location
8:15am	<i>Coffee and light breakfast available</i>		<i>outside Scaife Hall 125</i>
8:30 - 9:30AM	Dave Rowenhorst	Spatially Aligning Datasets from Multiple Sections, Sources and Sensors	Scaife Hall 125
9:30 - 10:30AM	Liz Holm	Machine Learning and Machine Vision for Microstructure	Scaife Hall 125
10:30 - 10:45AM	<i>Coffee Break</i>		<i>outside Scaife 125</i>
10:45AM - 12:15PM	Gregory Rohrer	MSE demonstration of GBCD analysis	Scaife Hall 125
12:15 - 1:15PM	<i>Lunch</i>		<i>outside Scaife 125</i>
1:15 - 2:15PM	Anthony Rollett	Image-based simulation of micro-mechanical response	Scaife Hall 125
2:15 - 3:15PM	Shawn Litster	Nano-scale resolution X-ray computed tomography	Scaife Hall 125
3:15 - 3:30PM	<i>Break</i>		<i>outside Scaife 125</i>
3:30 - 4:30PM	Robert Suter	Non-destructive high energy x-ray studies of microstructure evolution	Scaife Hall 125
4:20 - 5:00PM	Q&A		
<i>Happy Hour</i>			MSE Deck 3300 Wean Hall

split in two groups

Mike Groeber	Session A: data analysis	Scaife Hall 125
Mike Jackson	Session B: plugin development	Roberts Hall 124

Friday

July 10, 2015

	Instructor	Session	Location
8:15am	<i>Coffee and light breakfast available</i>		<i>outside Scaife Hall 125</i>
8:30 - 10:30AM	Mike Groeber	Session A: data analysis	Scaife Hall 125
	Mike Jackson	Session B: plugin development	Roberts Hall 124
10:30 - 10:45AM	<i>Coffee Break</i>		<i>outside Scaife 125</i>
10:25AM - 12:15PM	Mike Groeber	Session A: data analysis	Scaife Hall 125
	Mike Jackson	Session B: plugin development	Roberts Hall 124
12:15 - 1:15PM	<i>Lunch</i>		Roberts 140
1:15 - 3:15PM	Mike Groeber	Session A: data analysis	Scaife Hall 125
	Mike Jackson	Session B: plugin development	Roberts Hall 124
3:15 - 3:30PM	<i>Closing Break</i>		<i>outside Scaife 125</i>