



**Design & Optimization for 3D Sand Printing
and
Advanced Sensing Technologies for
Workforce Development**



Wednesday, June 28		
9:00 am - 9:30am	Welcome and program overview, Prof. Laura Bartlett, AFS Staff	216 McNutt
9:30 am – 10:30am	Overview of 3-D printing and sensor design for Foundry 4.0	216 McNutt
10:30 am -11:00am	Foundry Demonstration Pour in the Wolf Foundry	244 McNutt
11:00 am – 12:00pm	Tour of Missouri S&T Labs	
12:00 pm – 1:00 pm	Lunch – Overview of Foundry Research and Educational Programs at Missouri S&T	216 McNutt
1:00 pm – 4:00 pm	AFS Design & Optimization for 3-D Sand Printing: Modules 1-3 Instructor: Jiten Shah, Product Development & Analysis LLC	216 McNutt
6:00 pm – 8:00 pm	Reception and Dinner (included in registration) Alex's Pizza Palace 122 W. 8 th St. Rolla, MO 65401	Alex's Pizza Palace
Thursday, June 29		
9:00 am - 10:30am	AFS Design & Optimization for 3D Sand Printing Module 4	216 McNutt
10:35- 10:45 am	Break	216 McNutt
10:50 am – 11:30 am	AFS Design & Optimization for 3D Sand Printing Module 5	216 McNutt
11:30 am - 1:00 pm	Lunch with Missouri S&T student leaders	216 McNutt
1:00 pm – 4:00 pm	AFS Design & Optimization for 3D Sand Printing Module 6	216 McNutt
6:00 pm	No Host Dinner	TBA
Friday, June 30		
8:30 am – 9 am	Mold Extraction in the Wolf Foundry	244 McNutt
9:05 am - 11:30am	AFS Design & Optimization for 3D Sand Printing Module 7	216 McNutt
11:30 am - 12:00 pm	Course conclusion, evaluation and Boxed Lunches Provided	216 McNutt