



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



Wednesday, July 22		
9:00 am - 9:30am	Welcome and program overview, Prof. Laura Bartlett	249 McNutt
9:30 am – 10:30am	Overview of 3-D printing and sensor design for Foundry 4.0	249 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	249 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	249 McNutt
6:00 pm – 8:00 pm	Reception and Dinner (included in registration)	Alex’s Pizza
Thursday, July 23		
9:00 am - 10:30am	AFS Design & Optimization for 3D Sand Printing Module 4	249 McNutt
10:35- 10:45 a.m.	Break	249 McNutt
10:50 am – 11:30am	AFS Design & Optimization for 3D Sand Printing Module 5	249 McNutt
11:30 am - 1:00pm	Lunch with Missouri S&T student leaders	249 McNutt
1:00 pm – 4:00pm	AFS Design & Optimization for 3D Sand Printing Module 6	249 McNutt
6:00 pm	Optional Group Dinner on own	TBA
Friday, July 24		
9:00am - 11:30am	AFS Design & Optimization for 3D Sand Printing Module 7	249 McNutt
11:30am - 12:00pm	Course conclusion, evaluation and Boxed Lunches Provided	249 McNutt