

## Wednesday (26 Sep 2018)

	Time	Topic	Speaker
Riverview Cafe	7:30 - 8:30	Registration and Continental Breakfast	
Meyer Room	8:30 - 8:45	Welcome and General Announcements	AFLCMC/EN-EZ
Meyer Room	8:45 - 8:50	Safety & Building Layout	UDRI
Meyer Room	8:50 - 9:45	Way Forward with Additive Manufacturing	AFLCMC/EZP
Meyer Room	9:45 - 10:00	Break	
Meyer Room	10:00 - 10:30	State of Additive Manufacturing (AM)	MTO
Meyer Room	10:30 - 11:00	Integrating Metals AM	REACT
Meyer Room	11:00 - 11:30	Validating & Qualifying Components using New Technologies	AFLCMC/WLSEAB

Riverview Cafe	Lunch
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	Meyer Room	Marshall Room	North Dining Room	Auditorium	M2265 - 60	M2320-32	ATTC	ATTC	ATTC						
13:00	Class 1 (100)	Class 2 (100)	Class 3 (100)	Class 4 (100)	Class 5 (25)	Class 6 (25)	Hands On 1 (4)	Hands On 2(4)	Hands On 3(4)						
13:15	Fundamentals of AM & Cold Spray	Fundamentals of AM & Cold Spray	Fundamentals of AM & Cold Spray	Fundamentals of AM & Cold Spray	No class offered	No class offered	Tips & Tricks - Hands on FDM printing with Stratasys Fortus 900mc (Polymers) for Novice users - Group 1, Part 1	Tips & Tricks - Hands on FDM printing with Stratasys Fortus 900mc (Polymers) for Novice users - Group 2, Part 1	Tips & Tricks - FDM printing with Stratasys Fortus 900mc (Polymers) for current users						
13:30															
13:45															
14:00															
14:15															
14:30															
14:45										Break	Break	Break	Break	Break	Break
15:00										AM Case Study (Aero - Metals)	AM Materials (Polymers)	Guidance - AF AM Policy	Design for AM (Polymers)	Support structure & print file prep w/ Insight (polymers)	SolidWorks Refresher
15:15															
15:30															
15:45	Break	Break	Break	Break											
16:00	AM Materials (Metals)	AM Case Study (Aero - Polymers)	Guidance - AM Facility Requirements (Metals & Polymers)	Design for AM (Metals)											
16:15															
16:30															
Riverview Cafe	17:00-19:00		America Makes, MAMLS, AFPTEF, MTO, REACT, C-5 Program Office, AFIT, Travis AFB, AFLCMC - AM, Corrosion, Robotics & Lasers, CBM+, Cold Spray				Poster Session								

**Lecture**

**Computer Lab courses**

**Operator training (hands on)**


Thursday (27 Sep 2018)				ATTC	ATTC	ATTC
	Time	Topic	Speaker	Hands On 1 (4)	Hands On 2 (4)	Hands On 3 (4)
Riverview Cafe	7:30 - 8:30	Registration and Continental Breakfast		Tips & Tricks - Hands on FDM printing with Stratasys Fortus 900mc (Polymers) for Novice users- Group 1, Part 2	Tips & Tricks - Hands on FDM printing with Stratasys Fortus 900mc (Polymers) for Novice users- Group 2, Part 2	Tips & Tricks - FDM printing with Stratasys Fortus 900mc (Polymers) for current users
Meyer Room	8:30 - 8:50	America Makes & MAMLS Overview	America Makes			
Meyer Room	8:50 - 10:20	Toward AM Qualification (AM Sand Casting, Certified Ultem 9085 for Aircraft Interiors, MAMLS Parts-Case Studies)	America Makes			
Meyer Room	10:20 - 10:35	Break				
Meyer Room	10:35 - 11:00	Future Efforts Toward AM Qualifications	AFRL			
Meyer Room	11:00 - 11:30	Considerations for Certification of Structural Parts Fabricated by Additive Manufacturing	AFLCMC/EZ			
Meyer Room	11:30 - 12:15	AM Case Studies	UDRI			

**Lunch**

	Meyer Room	Marshall Room	North Dining Room	Auditorium	M2265 - 60	M2380 - 40	M2320 - 32	ATTC	ATTC	ATTC
	Class 1 (100)	Class 2 (100)	Class 3 (100)	Class 4 (100)	Class 5 (25)	Class 6 (25)	Class 7 (25)	Hands On 4 (4)	Hands On 5 (4)	Hands On 6 (4)
13:00	AM Materials (Metals)	Support Structure Considerations for DMLM (Metals)	Guidance - AF AM Policy	AM Materials (Polymers)	Support structure & print file prep w/ insight (Polymers)	Basic SolidWorks Training	Scanning & Modeling w/ DesignX	Tips & Tricks - Hands on FDM printing with Stratasys Fortus 900mc (Polymers) for Novice users- Group 3, Part 1	Tips & Tricks - Hands on FDM printing with Stratasys Fortus 900mc (Polymers) for Novice users- Group 4, Part 1	Tips & Tricks - FDM printing with Stratasys Fortus 900mc (Polymers) for current users
13:15										
13:30										
13:45	Break	Break	Break	Break						
14:00	Design for AM (Polymers)	AM Case Study (Tooling & fixtures 1)	Guidance - AM Facility Requirements (Metals & Polymers)	Support Structure and Post Processing (Polymers)						
14:15										
14:30										
14:45	Break	Break	Break	Break						
15:00	Support Structure and Post Processing (Polymers)	Open Meeting Space	AM Case Study (Aero - Polymers 2)	Post Processing (Metals)	SolidWorks Refresher					
15:15										
15:30										
15:45	Break	Break	Break	Break						
16:00	Post Processing (Metals)	Open Meeting Space	Insights into Metal Printing with EOS M290	Design for AM (Metals)						
16:15										
16:30										
16:45										

 Lecture

 Computer Lab courses


 Operator training (hands on)

# Friday (28 Sep 2018)

	Meyer Room	Marshall Room	North Dining Room	M2265 - 60	M2320-32	ATTC	ATTC	ATTC
	Class 1 (100)	Class 2 (100)	Class 3 (100)	Class 4 (25)	Class 5 (25)	Hands On 4 (4)	Hands On 5 (4)	Hands On 6 (4)
8:00	Insights into Metal Printing with EOS M290	Guidance - AF AM Policy	Cold Spray Materials	Advanced Support Structure Design and Print file prep w/ Insight for current Insight users	Scanning & Modeling w/ DesignX	Tips & Tricks - Hands on FDM printing with Stratasys Fortus 900mc (Polymers) for Novice users - Group 3, Part 2	Tips & Tricks - Hands on FDM printing with Stratasys Fortus 900mc (Polymers) for Novice users - Group 4, Part 2	Tips & Tricks - FDM printing with Stratasys Fortus 900mc (Polymers) for current users
8:15								
8:30								
8:45								
	Break	Break	Break					
9:00	Support Structure Considerations for DMLM (Metals)	Guidance - AM Facility Requirements (Metals & Polymers)	Design for Cold Spray					
9:15								
9:30								
9:45								
	Break	Break	Break					
10:00	AM Case Study (Aero - Polymers 3)	Open Meeting Space	Cold Spray Case Study					
10:15								
10:30								
10:45								
	Break	Break	Break					
11:00	AM Case Study (Aero - Metals 2)	Open Meeting Space	Cold Spray Facility Tour					
11:15								
11:30								
Lunch								

 Lecture

 Computer Lab courses

 Operator training (hands on)