



2019

SSEC Equity Tech Camp

August 5th – 9th, 2019

Space Science and Engineering Center (SSEC)

Atmospheric, Oceanic and Space Science Building(AOSS), Room 1411

1225 W. Dayton, Madison, Wisconsin

AGENDA

Monday August 5			
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8:45 AM	Check-in	1411 AOSS 1225 W. Dayton	Staff Margaret Mooney, <i>Director</i> Scott Lindstrom, <i>Asst. Director</i> Alexa Ross, <i>Camp Counselor</i>
9:00 am	Welcome	1411 AOSS	Brad Pierce, SSEC Director
9:10 am	Introductions, overview and pre-test	1411 AOSS	S. Lindstrom & M. Mooney
9:20 am	"Sky's the Limit" video	1411 AOSS	Scott Lindstrom
9:30 am	Satellite Meteorology 101 & GOES-16/17 ABI basics	1411 AOSS	Scott Lindstrom
10:15 am	Break		
10:30 am	ABI activities	1411 AOSS	Scott Lindstrom
11:15 am	SIFT Intro (Satellite Information Familiarization Tool)	1411 AOSS	Scott Lindstrom
11:45 am	Engineering insights	1411 AOSS	Claire Pettersen
Noon	Lunch	823 AOSS	
12:45 pm	SSEC Data Center & roof tour	AOSS	Jerry Robaidek
1:30 pm	SIFT Split-window Lab – convection in Kansas	1411 AOSS	Scott Lindstrom
2:45 pm	Break		
3:00 pm	SIFT presentations	1411 AOSS	
3:45 pm	Tips for making a scientific poster	1411 AOSS	Margaret Mooney
4:00 pm	Daily evaluation		Alexa Ross
4:30 pm	Adjourn		

Tuesday August 6			
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9:00 am	Geographic information system (GIS) overview	1411 AOSS	Sam Batzli
9:30 am	RealEarth™	1411 AOSS	Sam Batzli
10:15 am	Break		
10:30 am	RealEarth™	1411 AOSS	Sam Batzli
12:00	Lunch (leave for Physics Museum at 12:45)	823 AOSS	
1:00 pm	Physics Museum Tour	1150 University Avenue	M. Mooney & S. Lindstrom
2:00 pm	Career Panel	1411 AOSS	Chris Wilson, Alexa Ross, Clayton Suplinski & Iman Nasif
2:30 pm	Break		
2:45 pm	Weather & Climate on a 3D globe	148 AOSS	M. Mooney & Rick Kohrs
3:15 pm	Ice Core Drilling & Engineering	1411 AOSS	Kristina Slawny
3:30	SSEC Mobile Apps	1411 AOSS	Dave Parker
4:00	Daily Evaluation	1411 AOSS	Alexa Ross
4:30	Adjourn		



Wednesday August 7			
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9:00 am	WxSats Scavenger Hunt	1411 AOSS	Clayton Suplinski
10:15 am	Break		
10:30 am	Intro to Web Development/ Make your own web page	1411 AOSS	Clayton Suplinski
11:45 am	Lunch (leave for WID at 12:30)	823 AOSS	
12:45 pm	CAVE tour at the Wisconsin Institutes for Discovery	WID	C. Suplinski & M. Mooney
1:45 pm	Intro to Blender /Make your own satellite model	1411 AOSS	Clayton Suplinski
2:30 pm	Break		
2:45 pm	WxSats Virtual Reality Demo	811 AOSS	Clayton Suplinski
4:00 pm	Daily Evaluation	811 AOSS	Alexa Ross
4:30 pm	Adjourn		

Thursday August 8			
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9:00 am	Intro to Python and SatPy	1411 AOSS	David Hoese
10:15 am	Break		
10:30 am	SatPy	AOSS 1411	David Hoese
12:00	Lunch	823 AOSS	
12:45 pm	GOES-16/17 RGB Activity	811 AOS	Kaba Bah
1:30 pm	Super Computer Tornado Modeling	811 AOSS	Leigh Orf
2:15 pm	Break (ice cream at Union South)	Union South	S. Lindstrom & A. Ross
2:45 pm	Supercomputer Tornado Modeling	811 AOSS	Leigh Orf
3:30	Scientific Poster Discussion	811 AOSS	M. Mooney & S. Lindstrom
4:00	Daily Evaluation	811 AOSS	Alexa Ross
4:30	Adjourn		

Friday August 9			
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9:00 am	Students create scientific posters	1411 AOSS	
10:15 am	Break		
10:30 am	Finishing and practicing poster presentations	1411 AOSS	
11:45 am	Lunch	823 AOSS	
12:30 pm	Poster session	1411 AOSS	
1:45 pm	Break	1411 AOSS	
2:00 pm	Evaluation and post-test	1411 AOSS	
2:30 pm	Graduation/Certificates	1411 AOSS	
3:00 pm	Adjourn	1411 AOSS	

