



Radar Course Schedule

July 13-17th, 2020

Time Slot	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
9:30-10:00	Course Introduction <i>Patrick Bell</i>	Radar Construction and Initial Tuning	Doppler Experiments – send results to radar.course email	Ranging Experiments – send results to radar.course email	SAR Experiments – send results to radar.course email
10:00-11:00	Radar Basics <i>Alan Fenn</i>				
11:00-11:30	Morning Break	Morning Break	Morning Break	Morning Break	Morning Break
11:30-12:30	Antenna Basics <i>Alan Fenn</i>	Analog PCB Design <i>Patrick Bell</i>	Doppler Experiment Results Wrap-up <i>Patrick Bell</i>	Ranging Experiment Results Wrap-up <i>Patrick Bell</i>	Guest Lecture <i>David Conway</i>
12:30-1:30	Lunch Break	Lunch Break	Lunch Break	Lunch Break	Lunch Break
1:30-2:30	Modular RF Design <i>Ken Kolodziej</i>	Doppler Processing <i>John Meklenburg</i>	Pulse Compression and Ranging <i>John Meklenburg</i>	SAR Processing <i>Brad Perry</i>	SAR Image Contest and Course Wrap-Up <i>Patrick Bell</i> <i>Brad Perry</i>
2:30-3:00	Afternoon Break	Afternoon Break	Afternoon Break	Afternoon Break	
3:00-4:00	Build Instructions <i>Patrick Bell</i>	Doppler Experiments and Debugging (cont.)	Detection Processing <i>John Meklenburg</i>	Guest Lecture <i>Will Moulder</i>	
4:00-5:30	Radar Construction		Ranging Experiments and Debugging	SAR Experiments and Debugging	

- **Note:** support will be available outside of scheduled course times via email correspondence to radar.course@ll.mit.edu