

**AstroTech Development Workshop Agenda: lab activities****Day 1: Monday, July 15, 2019**

<b>Time</b>	<b>Participants</b>	<b>Session</b>	<b>Location</b>
	All	<b>Breakfast on own</b>	
10:30-10:45	Lab test pilots	<b>Workshop Check-In</b>	Lab 225 conference
10:45-11:00	Lab test pilots	<b>Orientation to AstroTech Activities</b>	Lab 225 conference
11:00-11:30	All	<b>Welcome, Overview of Workshop Agenda and Participant Roles</b>	Campbell 121
11:30-12:00	Lab test pilots	<b>Intro to Build-Your-Own-Spectrograph</b>	Lab 225 conference
12:00-1:00	All	<b>Lunch</b>	Campbell 6th floor
1:00-1:30	Lab test pilots	<b>Lab Ground Rules</b>	Lab 225 conference
1:30-4:00	Lab test pilots	<b>Intro to Optics Lab and Spectrograph Demos (includes 15-minute break)</b>	Lab 225
4:00-5:00	Lab test pilots	<b>Collaborating Effectively on Teams</b>	Lab 225 conference
	All	<b>Dinner on own</b>	

**Day 2: Tuesday, July 16, 2019**

<b>Time</b>	<b>Participants</b>	<b>Session</b>	<b>Location</b>
	All	<b>Breakfast on own</b>	
8:00-8:50	Lab test pilots	<b>Feedback on Day 1</b>	Lab 225 conference
8:50-9:00	Lab test pilots	<b>Break</b>	
9:00-11:45	Lab test pilots	<b>Grating Design Lab - Part 1 (includes 15-minute break)</b>	Lab 219
11:45-12:45	All	<b>Lunch</b>	Campbell 6th floor
12:45-2:05	Lab test pilots	<b>Grating Design Lab - Part 2</b>	Lab 219
2:05-2:20	Lab test pilots	<b>Break</b>	
2:20-3:20	Lab test pilots	<b>Science and Engineering Requirements / Initial Spectrograph Designs</b>	Lab 225 conference
3:20-3:50	Lab test pilots	<b>Downselect Designs and Form Teams</b>	Lab 225 conference
3:50-4:00	All	<b>Break</b>	
4:00-5:00	All	<b>Power and Money in Astronomy Erika Hamden, University of Arizona</b>	Campbell 131
	All	<b>Dinner on own</b>	

## AstroTech Development Workshop Agenda: lab activities

**Day 3: Wednesday, July 17, 2019**

<b>Time</b>	<b>Participants</b>	<b>Session</b>	<b>Location</b>
	All	<b>Breakfast on own</b>	
8:00-8:45	Lab test pilots	<b>Feedback on Day 2</b>	Campbell 121
8:45-9:00	Lab test pilots	<b>Break</b>	
9:00-9:45	All	<b>Overview of AstroTech</b> Needs, goals, overall timeline and how AstroTech could evolve	Campbell 131
9:45-10:30	Lab test pilots	<b>Prepare Career Questions</b>	Campbell 121
10:30-10:45	All	<b>Break</b>	
10:45-11:45	All	<b>Career Pathways</b> Student participants (test pilots) interview experienced instrumentalists on their career experiences and strategies for succeeding in instrumentation	Campbell 131 + Campbell 121
		<b>After 11:45 am Wed, test pilots are dismissed until Thurs</b>	

## AstroTech Development Workshop Agenda: lab activities

**Day 4: Thursday, July 18, 2019**

<b>Time</b>	<b>Participants</b>	<b>Session</b>	<b>Location</b>
	All	<b>Breakfast on own</b>	
8:00-8:20	Lab test pilots	<b>Feedback on Day 3</b>	Lab 225 conference
8:20-8:50	Lab test pilots	<b>Integration and Testing - Test Plan</b>	Lab 225 conference
8:50-9:00	Lab test pilots	<b>Break</b>	
9:00-10:30	Lab test pilots - detector group	<b>Build Your Own Spectrograph - Detector Build Part 1</b>	Lab 219 + Lab 225
9:00-10:30	Lab test pilots - optics group	<b>Build Your Own Spectrograph - Optomechanics Part 1</b>	Lab 219 + Lab 225
10:30-10:45	Lab test pilots	<b>Break</b>	
10:45-11:00	Lab test pilots	<b>Team check-in</b>	
11:00-12:30	Lab test pilots - detector group	<b>Build Your Own Spectrograph - Detector Build Part 2</b>	Lab 219 + Lab 225
11:00-12:30	Lab test pilots - optics group	<b>Build Your Own Spectrograph - Optomechanics Part 2</b>	Lab 219 + Lab 225
12:30 - 1:30	All	<b>Lunch</b>	Campbell 6th floor
1:30-3:30	Lab test pilots	<b>Integration and Testing - Align and Verify Performance</b>	Lab 219 + Lab 225
3:30-3:45	All	<b>Break</b>	
3:45-4:30	All	<b>Instrument tour and synthesis</b>	Lab 219 + Lab 225 + Campbell 131
4:30-5:00	Lab test pilots	<b>Feedback on Day 4 and Overall Workshop</b>	Campbell 131
	All	<b>Dinner on own</b>	