The Physics and Astronomy New Faculty Workshop

July 25-28, 2022

Los Angeles, CA

AAPT American Association of **Physics Teachers**®

APS physics®

A│A / S American Astronomical Society

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		Location: Sheraton Gateway Los Angeles
		Dates: July 25 - 28
Day	**Times (Pacific)**	**Events**
Monday	8:00 - 8:50 am	Breakfast
July 25th	9:00 - 9:45 am	Welcome - Pod Icebreaker #1, Community Agreements Activity & Intro to FOLC
		Bob Hilborn, Ed Prather, Rachel Scherr, and Andy Rundquist
	9:45 - 10:45 am	The Journey from Traditional Instruction to Active Learning
		Laurie McNeil
	10:45 - 11:00 am	Break
	11:00 am - 12:00 pm	Frames of Belonging and Identity in Teaching and Learning
		Rachel Scherr and Tali Hairston
	12:00 - 1:00 pm	Lunch
	1:00 - 2:45 pm	Experiencing and Unpacking the Active Learning Classroom
		Ed Prather
	2:45 - 3:00 pm	Break
	3:00 - 3:15 pm	Considering a Set of Principles for Teaching and Learning
		Ed Prather
	3:20 - 4:05 pm	POD Session #2
	4:05 - 4:25 pm	Individual Reflections
	4:30 - 5:15 pm	Panel session - Q&A with presenters
	5:15 - 5:30 pm	Debrief and Day 2 Overview
	6:00 pm	Dinner
		Evening Informal Gathering and Conversations with Peers
Day	**Times (Pacific)**	
Tuesday	8:00 - 8:50 am	Breakfast
July 26th	9:00 - 9:15 am	Welcome from AAPT, AAS, AIP, and APS Executive Officers, Orieintation & Overiew, Sign-Up for Parallel Sessions
		Choose One of the Following Sessions
	9:20 - 10:20 am	Optimizing Students' Preparation for Class: Just-in-Time Teaching (JiTT)	Interactive Lecture Demonstrations (ILDs): A Research-Validated Strategy for Active Learning in Lecture	Collaborative Group Activites to Elevate Students' Learning
		Andy Gavrin	David Sokoloff	Rachel Scherr and Ed Prather
	10:20 - 10:35 am	Free Time, Peer Discussion and Sign Up for Parallel Sessions
		Choose One of the Following Sessions
	10:35 - 11:35 am	Optimizing Students' Preparation for Class: Just-in-Time Teaching (JiTT)	Interactive Lecture Demonstrations (ILDs): A Research-Validated Strategy for Active Learning in Lecture	Collaborative Group Activites to Elevate Students' Learning

		Choose One of the Following Sessions		
	11:40 am - 12:40 pm	Going Deeper with Just-in-Time Teaching (JITT)	Going Deeper with Interactive Lecture Demonstrations (ILDs)	Going Deeper with Collaborative Group Activities
	12:40 - 1:40 pm	Lunch, Peer Discussions - Group Photo, Sign Up for Parallel Sessions		
		Choose One of the Following Sessions		
	1:40 - 2:55 pm	Goals and Strategies for Physics Lab Classes	Engaging Students and Supporting Learning with PhET Interactive Simulations	Developing High-Performance Questions and Orchestrating Engagement Using Think-Pair-Share (TPS)
		Ben Zwickl	Rebecca Vieyra	Ed Prather
		Choose One of the Following Sessions		
	3:00 - 4:15 pm	Goals and Strategies for Physics Lab Classes	Engaging Students and Supporting Learning with PhET Interactive Simulations	Developing High-Performance Questions and Orchestrating Engagement Using Think-Pair-Share (TPS)
	4:15 - 4:30 pm	Free Time, Peer Discussion		
	4:30 - 5:15 pm	POD Session #3		
	5:15 - 6:00 pm	Panel and Q & A with Presenters (with "Stop, Go, Change")		
	6:00 - 7:00 pm	Dinner		
	7:15 pm	Evening Informal Gathering and Conversations with Peers		
Day	**Times (Pacific)**			
Wednesday	8:00 - 8:50 am	Breakfast		
July 27th	9:00 - 9:50 am	Finding Helpful Information About Teaching: Online Resources at PhysPort and Compadre		
		Sam McKagan		
	9:55 - 11:10 am	Designing Activities for More Advanced Students: Lessons from the Paradigms Program		
		Liz Gire		
	11:10 - 11:25 am	Free Time, Peer Discussion and Sign Up for Parallel Sessions		
		Choose One of the Following Sessions		
	11:25 am - 12:40 pm	Promoting Sensemaking: Lessons from the Paradigms Program	Designing Intro Courses that Focus on Improving Students' Problem Solving Abilities	Using Think-Pair-Share (TPS) to Promote Quantitative Problem Solving
		Liz Gire	Andy Rundquist	Ed Prather

	12:40 - 1:40 pm	Lunch and Peer Discussions		
		Choose One of the Following Sessions		
	1:40 - 2:55 pm	Promoting Sensemaking: Lessons from the Paradigms Program	Designing Intro Courses that Focus on Improving Students' Problem Solving Abilities	Using Think-Pair-Share (TPS) to Promote Quantitative Problem Solving
	3:00 - 4:00 pm	Assessing Students' Learning Rigorously and Fairly		
		Rebecca Brent and Rich Felder		
	4:00 - 4:15 pm	Break		
	4:15 - 5:15 pm	Getting your Career off to a Good Start		
		Rebecca Brent and Rich Felder		
	5:20 - 6:00 pm	POD Session #4		
	6:00 - 7:00 pm	Dinner		
	7:15 PM	Evening Informal Gathering and Conversations with Peers - **Optional Tenure Discusson**		
Day	**Times (Pacific)**			
July 28th	8:00 - 8:50 am	Breakfast		
Thursday	9:00 - 10:00 am	Navigating Your Department Ecosystem to Solve Problems Beyond Your Classroom		
		Andy Rundquist		
	10:10 - 11:10 am	POD Session #5		
	11:10 - 11:25 am	Break		
	11:25 am - 12:25 pm	Research Funding Opportunities for Early-Career Physics & Astronomy Faculty		
		Richard Wiener		
	12:25 - 1:25 pm	Lunch and Peer Discussions		
	1:25 - 2:25 pm	Q&A with NSF Program Directors (online)		
		NSF Program Directors: Hans Krimm, Division of Astronomical Sciences; Guebre Tessema, Division of Materials Research; Kevin Jones and Kathleen McCloud, Division of Physics; Corby Hovis and Eleanor Sayre, Division of Undergraduate Education		
	2:30 - 3:00 pm	Final Words, Evaluation and Adjourn		