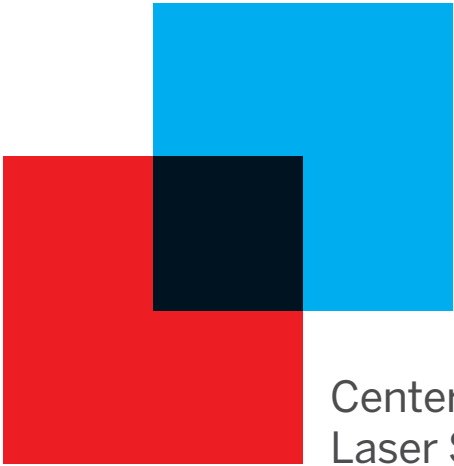


PIER Graduate Week 2024

Interdisciplinary lecture
and workshop week for
doctoral researchers



7–11
OCT 24

Center for Free-Electron
Laser Science, SR I-V



Partnership of
Universität Hamburg and DESY



Universität Hamburg
DER FORSCHUNG | DER LEHRE | DER BILDUNG



Course Overview

Programme / registration:
pier-hamburg.de/gradweek2024

	Time	Course	Monday, 7 OCT	Tuesday, 8 OCT	Wednesday, 9 OCT	Thursday, 10 OCT
Morning sessions	09:00 – 10:30	/ Course 1: Modern Detector and Accelerator Technologies SR I-III	Andreas R. Maier, DESY High Power Lasers	Ingrid Gregor, DESY / Universität Bonn What you always wanted to know about detectors for Particle Physics	Heinz Graafsma, DESY Detector Technologies for Photon Science	HELIOS lecture - Room SR IV, CFEL 9:00 - 12:00 Sebastian Trippel, DESY 3D Electron/Ion Detection
	10:30 – 11:00		Coffee break			
	11:00 – 12:30	/ Course 1: Modern Detector and Accelerator Technologies SR I-III	Andreas R. Maier, DESY High Power Lasers	Ingrid Gregor, DESY / Universität Bonn What you always wanted to know about detectors for Particle Physics	Heinz Graafsma, DESY Detector Technologies for Photon Science	HELIOS lecture - Room SR IV, CFEL 9:00 - 12:00 Sebastian Trippel, DESY 3D Electron/Ion Detection
	12:30 – 14:00		Lunch break			
Afternoon sessions	14:00 – 15:30	/ Course 2: Scientific Computing with Python SR I-III	Wolfram Schmidt, Universität Hamburg Numerical Methods	Wolfram Schmidt, Universität Hamburg Numerical Methods	Hartmut Stadie, Universität Hamburg Statistical Methods and Data Analysis	Hartmut Stadie, Universität Hamburg Statistical Methods and Data Analysis
	15:30 – 16:00		Coffee break			
	16:00 – 17:30	/ Course 2: Scientific Computing with Python SR I-III	Wolfram Schmidt, Universität Hamburg Numerical Methods	Wolfram Schmidt, Universität Hamburg Numerical Methods	Hartmut Stadie, Universität Hamburg Statistical Methods and Data Analysis	Hartmut Stadie, Universität Hamburg Statistical Methods and Data Analysis
	17:30 – 18:00		Coffee break			

	Time	Course	Monday, 7 OCT	Tuesday, 8 OCT	Wednesday, 9 OCT	Thursday, 10 OCT
Evening sessions	18:00 – 20:00	/ Evening sessions	/ Scientific colloquium: Detlef Lohse, Max Planck Center Twente for Complex Fluid Dynamics, University of Twente The physics of soft condensed matter SR I-III Catering included	/ Industry talk: Murali Ganesa, PORSCHE DIGITAL Data science at PORSCHE Digital SR I-III Catering included	/ Poster session with barbecue CFEL foyer BBQ included	
			End of event			
Additional sessions on 1 - 15 Oct		Soft skills and career planning workshops between 1 - 15 October:				
		/ Skills course A 11 Oct 9 am - 5 pm	Leadership Styles and Skills Rob Thompson SR IV CFEL			
		/ Skills course B 1 + 14 + 15 Oct 9:00 am - 12:00 pm	Visual Communication in Science Andreas Dahlin et al. online /remote			
		/ Skills course C 11 Oct 9 am - 2:30 pm	Mini workshop "Find a Career that Fits" + individual career counselling for doctoral researchers: Annette Leemans Room 4a, building 1b DESY			
		/ Skills course D 11-15 Oct 9 am - 4 pm	Machine Learning with Python Alexander Britz, Ilona Lipp Venue: 11 Oct: online 14 + 15 Oct: Room 108, building 35 DESY			
			End of event			