

2025 PCAM SUMMER SCHOOL: MATERIALS FOR NANOTECHNOLOGY

Room 111, Faculty of Physics

<https://www.european-mrs.com/meetings/2025-fall/pcam-summer-school>

Date: 15 – 18 September 2025

	September 15 Monday	September 16 Tuesday	September 17 Wednesday	September 18 Thursday
9:00-10:30	Prof. Mariusz Krawiec 2D materials from first principles : Density Functional Theory vs. Experiment	Prof. Katarzyna Siuzdak SILAR Nanotechnology	Plenary	Assoc. Prof. Casper Kunstmann Optoplasmonic Sensing
				Prof. Yogendra Kumar Mishra 3D materials and applications
Coffee break				
11:00-11:45	Prof Szymon Godlewski Basics of HR-STM imaging with tip functionalization as a tool to study matter at the atomic and subatomic levels	Prof. Mahesh Kumar Intelligent Gas Sensing with Metal-Oxide Sensors and Machine Learning Approach	Plenary	Prof. Graziella Malandrino Nanomaterials synthesis by chemistry
11:45-12:45				
Lunch				
14:00-15:30	Assoc. Prof. Alberto G. Curto 2D materials for nanophotonics: from superlattices to metadevices	Dr. Marcello Cioni GaN Technology	Dr. Elli Stamatopoulou Dr. Martina Fracchia Dr. Sara Grecci Dr. Lars Mohrhusen Gian Paolo Brivio awardees	Prof. Jan Cechal Molecular layers on solid surfaces: self-assembly, analysis and applications
Coffee break				
16:00-17:00		continues	Round table about PCAM and the Summer School Chair: Prof. Horst-Günter Rubahn	continues
from 18:00	Poster session		Graduate Awards /Conference Dinner	