

**DYNASTY Workshops**
**Wednesday 11/06/2025, 09:00-16:00**
**Location: Groeneborger Campus**
**Title: “Scientific workshop on 2D materials ”**

Location	Time	Speaker	Title
GUS.024	11:00-11:30	Nico Gauquelin (EMAT)	Reconstruction in artificial WSe <sub>2</sub> bilayer: correlation between optical response and atomic reconstruction
GUS.024	11:30-12:00	Cem Sevik (COMMIT)	State- and momentum-dependent nonlinear Stark effect of interlayer excitons in bilayer WSe <sub>2</sub>
GUS.024	12:00-12:30	Alberto Curto (U Ghent)	2D materials for nanophotonics: from superlattices to metadevices
Komida	12:30 - 13:30	Lunch	
GUS.024	13:30-14:00	Lino Perreira (KU Leuven)	Functionalization of 2D materials using ultralow energy ion implantation
GUS.024	14:00-14:20	Erini Katsipoulaki (IESL - FORTH)	Engineering carrier density and exciton polarization in WSe <sub>2</sub> monolayers via photochlorination
GUS.024	14:20-14:40	Danai Katrisioti (IESL - FORTH)	Silicon nanoantennas for tailoring the optical properties of MoS <sub>2</sub> monolayers
GUS.024	14:40-15:00	Maria Batuk (EMAT)	Transmission electron microscopy for quantitative defects analysis in 2D TMDs
T-Hall	15:00-15:30	Coffee break	
GUS.024	15:30-16:00	Jonas Bekaert (COMMIT)	Transition metal dichalcogenides as a unique platform for emerging quantum phases: An ab initio perspective
GUS.024	16:00-16:20	Nikita Denisov (EMAT)	Large field of view Investigation of 2D structures using low voltage electron diffraction
GUS.024	16:20-16:40	Andreas Michail (IESL - FORTH)	Laser reduced graphene oxide: The role of pulse duration and film thickness
GUS.024	16:40-17:00	Kostas Mourzidis (INSA) - Online	Exciton Formation in TMD Semiconductors



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