

Symposium 2D Materials (SYDM)

jointly organized by
 the Thin Films Division (DS),
 the Semiconductor Physics Division (HL),
 the Magnetism Division (MA),
 the Metal and Material Physics Division (MM),
 the Surface Science Division (O), and
 the Low Temperature Physics Division (TT)

Thomas Heine
 Universität Leipzig
 thomas.heine@uni-leipzig.de

Rudolf Bratschitsch
 WWU Münster
 rudolf.bratschitsch@uni-muenster.de

Andres Castellanos-Gomez
 Spanish National Research Council
 CSIC, Madrid
 andres.castellanos@csic.es

Ulf Wiedwald
 Faculty of Physics and Center for
 Nanointegration Duisburg-Essen
 CENIDE, Universität Duisburg-Essen
 ulf.wiedwald@uni-due.de

The isolation of graphene in 2004 sparked the research on two-dimensional materials, which keeps growing at a tremendous rate. Since 2010 this young research area has experienced a new boost, originating from the works on graphenes' "cousins", such as transition metal dichalcogenides or MXenes. The symposium highlights the most recent advances in 2D materials and their applications, focusing on several different aspects of 2D materials research, such as nanomechanics, optics, and chemistry.

Overview of Invited Talks and Sessions

(Lecture room H 0105)

Invited Talks

SYDM 1.1	Thu	15:00–15:30	H 0105	Bending, pulling, and cutting wrinkled two-dimensional materials — ●KIRILL BOLOTIN
SYDM 1.2	Thu	15:30–16:00	H 0105	Ultrafast valley and spin dynamics in single-layer transition metal dichalcogenides — ●ALEJANDRO MOLINA-SANCHEZ
SYDM 1.3	Thu	16:00–16:30	H 0105	Interlayer excitons in layered semiconductor transition metal dichalcogenides — ●STEFFEN MICHAELIS DE VASCONCELLOS
SYDM 1.4	Thu	16:45–17:15	H 0105	Exploring exciton physics in liquid-exfoliated 2D materials — ●CLAUDIA BACKES
SYDM 1.5	Thu	17:15–17:45	H 0105	A Progress Report on Electron Transport in MXenes; A New Family of 2D Materials — ●MICHEL BARSOUM

Sessions

SYDM 1.1–1.5	Thu	15:00–17:45	H 0105	2D Materials
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