

Vacuum Science and Technology Division Fachverband Vakuumphysik und Vakuumtechnik (VA)

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Overview of Invited Talks and Sessions

(Lecture hall HSZ 301)

Invited Talks

VA 1.1	Mon	9:30–10:10	HSZ 301	Deterministic and stochastic numerical approaches in Rarefied Gas Dynamics — ●STYLIANOS VAROUTIS, CHRISTOS TANTOS, CHRISTIAN DAY
VA 2.1	Mon	12:30–13:10	HSZ 301	Vacuum Solutions for Dilution Refrigerators — ●STEFAN LAUSBERG

Invited talks of the joint symposium SYSD

See SYSD for the full program of the symposium.

SYSD 1.1	Mon	9:30– 9:55	HSZ 02	Disentangling transport in topological insulator thin films down to the nanoscale — ●FELIX LÜPKE
SYSD 1.2	Mon	9:55–10:20	HSZ 02	Spintronics with Terahertz Radiation: Probing and driving spins at highest frequencies — ●TOM SEBASTIAN SEIFERT, TOBIAS KAMPFRATH
SYSD 1.3	Mon	10:20–10:45	HSZ 02	Non-radiative voltage losses in organic solar cells — ●JOHANNES BENDUHN
SYSD 1.4	Mon	10:45–11:10	HSZ 02	Multivalent ions for tuning the phase behaviour of protein solutions — ●OLGA MATSARSKAIA
SYSD 1.5	Mon	11:10–11:35	HSZ 02	Network Dynamics under Constraints — ●MALTE SCHRÖDER
SYSD 1.6	Mon	11:35–12:00	HSZ 02	Exciton spectroscopy of van der Waals heterostructures — ●PHILIPP NAGLER

Invited talks of the joint symposium SYES

See SYES for the full program of the symposium.

SYES 1.1	Thu	9:30–10:00	HSZ 02	Understanding the physical variables driving mechanosensing — ●PERE ROCA-CUSACHS
SYES 1.2	Thu	10:00–10:30	HSZ 02	Mechanics of life: Cellular forces and mechanics far from thermodynamic equilibrium — ●TIMO BETZ
SYES 1.3	Thu	10:30–11:00	HSZ 02	A hydrodynamic approach to collective cell migration in epithelial tissues — ●JAUME CASADEMUNT
SYES 1.4	Thu	11:15–11:45	HSZ 02	The spindle is a composite of two permeating polar gels — DAVID ORIOLA, BENJAMIN DALTON, FRANZISKA DECKER, FRANK JULICHER, ●JAN BRUGUES
SYES 1.5	Thu	11:45–12:15	HSZ 02	Adding magnetic properties to epitaxial graphene — ●RODOLFO MIRANDA
SYES 2.1	Thu	15:00–15:30	HSZ 01	Interactions in assemblies of surface-mounted magnetic molecules — ●WOLFGANG KUCH
SYES 2.2	Thu	15:30–16:00	HSZ 01	Towards phononic circuits based on optomechanics — ●CLIVIA M. SOTOMAYOR-TORRES
SYES 2.3	Thu	16:00–16:30	HSZ 01	Optical properties of 2D materials and heterostructures — ●JANINA MAULTZSCH

SYES 2.4	Thu	16:45–17:15	HSZ 01	Bringing nanophotonics to the atomic scale — ●JAVIER AIZPURUA
SYES 2.5	Thu	17:15–17:45	HSZ 01	Infrared signatures of the coupling between vibrational and plasmonic excitations — ●ANNEMARIE PUCCI

Sessions

VA 1.1–1.4	Mon	9:30–11:30	HSZ 301	Rarefied gas flows and novel approaches for particle simulation
VA 2.1–2.2	Mon	12:30–13:30	HSZ 301	Vacuum technology: New developments and applications
VA 3	Mon	13:30–14:30	HSZ 301	Annual General Meeting

Annual General Meeting of the Vacuum Science and Technology Division

Monday 13:30–14:30 HSZ 301

- Bericht
- Wahl
- Verschiedenes