

Symposium Spain as Guest of Honor (SYES)

organized by the DPG Condensed Matter Division (SKM),
 chaired by the EPS Condensed Matter Division (EPS-CMD)
 and the Condensed Matter Division of the Spanish Royal Physics Society (RSEF-GEFES).

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The ‘Guest of Honor’ Symposia celebrate the European physics community in general and the cooperation of the respective learned societies in particular. Thereby, the German Physical Society aims to further collaborations between individual scientists, research groups and institutions.

This year’s ‘Guest of Honor’ Symposium honors the numerous ties between Spanish and German physicists by highlighting five fields of common interests, each represented by a pair of Invited Talks from distinguished scientists from Spain and from Germany.

Overview of Invited Talks and Sessions

(Lecture halls HSZ 01 and HSZ 02)

Invited Talks

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

SYES 1.1–1.5	Thu	9:30–12:15	HSZ 02	Spain as Guest of Honor I
SYES 2.1–2.5	Thu	15:00–17:45	HSZ 01	Spain as Guest of Honor II