

Symposium United Kingdom as a Guest of Honor (SYUK)

organised by the DPG Condensed Matter Section (SKM)

Martin Wolf
 Fritz Haber Institute of the Max Planck Society
 Faradayweg 4-6
 14195 Berlin
 wolf@fhi-berlin.mpg.de

The “Guest of Honor” symposia celebrates the European physics community in general and the links in science across Europe. Thereby, the German Physical Society aims to foster collaborations between individual scientists, research groups and institutions.

This year’s “Guest of Honor” symposium honors the numerous ties between United Kingdom and Germany (beyond Brexit) by highlighting five fields of common interest. Each is represented by a pair of Invited Talks from distinguished scientist from UK and Germany.

Overview of Invited Talks and Sessions

(Lecture hall H2)

Invited Talks

SYUK 1.1	Wed	9:30–10:00	H2	Structure and Dynamics of Interfacial Water — ●ANGELOS MICHAELIDES
SYUK 1.2	Wed	10:00–10:30	H2	A molecular view of the water interface — ●MISCHA BONN
SYUK 1.3	Wed	10:30–11:00	H2	Motile cilia waves: creating and responding to flow — ●PIETRO CICUTA
SYUK 1.4	Wed	11:00–11:30	H2	Cilia and flagella: Building blocks of life and a physicist’s playground — ●OLIVER BÄUMCHEN
SYUK 1.5	Wed	11:45–12:15	H2	Computational modelling of the physics of rare earth - transition metal permanent magnets from SmCo_5 to $\text{Nd}_2\text{Fe}_{14}\text{B}$ — ●JULIE STAUNTON
SYUK 2.1	Wed	15:00–15:30	H2	Hysteresis Design of Magnetic Materials for Efficient Energy Conversion — ●OLIVER GUTFLEISCH
SYUK 2.2	Wed	15:30–16:00	H2	Non-equilibrium dynamics of many-body quantum systems versus quantum technologies — ●IRENE D’AMICO
SYUK 2.3	Wed	16:00–16:30	H2	Quantum computing with trapped ions — ●FERDINAND SCHMIDT-KALER
SYUK 2.4	Wed	16:45–17:15	H2	Breaking the millikelvin barrier in cooling nanoelectronic devices — ●RICHARD HALEY
SYUK 2.5	Wed	17:15–17:45	H2	Superconducting Quantum Interference Devices for applications at mK temperatures — ●SEBASTIAN KEMPF

Sessions

SYUK 1.1–1.5	Wed	9:30–12:15	H2	United Kingdom as Guest of Honor I
SYUK 2.1–2.5	Wed	15:00–17:45	H2	United Kingdom as Guest of Honor II