

Symposium Spins in Semiconductors (SYSS)

jointly organized by
 Section Semiconductor Physics (HL),
 Section Magnetism (MA),
 Section Surface Physics (O), and
 Section Low Temperature Physics (TT)

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Overview of Invited Talks and Sessions

(lecture rooms H1)

Invited Talks

SYSS 1.1	Mon	9:30–10:00	H1	Generating and manipulating spins in semiconductors — •DAVID AWSCHALOM
SYSS 1.2	Mon	10:00–10:20	H1	Spin noise spectroscopy and spin dynamics in semiconductors — •MICHAEL OESTREICH, MICHAEL RÖMER, STEFANIE DÖHRMANN, STEFAN OERTEL, DANIEL HÄGELE, JENS HÜBNER
SYSS 1.3	Mon	10:20–10:40	H1	Spin-orbit interaction in Si quantum wells — •WOLFGANG JANTSCH, HANS MALISSA, ZBYSLAW WILAMOWSKI
SYSS 1.4	Mon	10:40–11:00	H1	Driven coherent oscillations of a single electron spin in a quantum dot — •FRANK KOPPENS, CHRISTO BUIZERT, KLAAS-JAN TIELROOIJ, IVO VINK, KATJA NOWACK, TRISTAN MEUNIER, LEO KOUWENHOVEN, LIEVEN VANDERSYPEN
SYSS 1.5	Mon	11:00–11:20	H1	Electrical spin injection and detection in semiconductors — •PAUL CROWELL
SYSS 1.6	Mon	11:20–11:40	H1	A microscopic view of the magnetism in magnetic semiconductors (<i>replaces the contribution by N. Samarth</i>) — •MICHAEL FLATTÉ
SYSS 1.7	Mon	11:40–12:00	H1	Tailoring ferromagnetism in bulk semiconductors and quantum dots — •IGOR ZUTIC
SYSS 1.8	Mon	12:00–12:20	H1	Tunnel Anisotropic Magneto Resistance - TAMR — •LAURENS MOLENKAMP
SYSS 1.9	Mon	12:20–12:40	H1	Electric field controlled spintronic effects based on spin-orbit coupling — •TOMAS JUNGWIRTH
SYSS 1.10	Mon	12:40–13:00	H1	Zero-bias spin separation in semiconductor heterostructures — •SERGEY GANICHEV

Sessions

SYSS 1.1–1.10	Mon	9:30–13:00	H1	Spins in Semiconductors
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