

Symposium Ab-Initio Approaches to Excitations in Condensed Matter (SYAI)

jointly organized by
 Surface Science Division (O),
 Thin Films Division (DS),
 Semiconductor Physics Division (HL), and
 Magnetism Division (MA)

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Overview of Invited Talks and Sessions

(lecture room SCH 251)

Invited Talks

SYAI 1.1	Thu	15:00–15:30	SCH 251	Insights and Progress in Density Functional Theory — PAULA PAULA MORI-SANCHEZ, ARON COHEN, •WEITAO YANG
SYAI 1.2	Thu	15:30–16:00	SCH 251	Quasiparticle energy calculations in a new light: from defects in semiconductors to the f-electron challenge — •PATRICK RINKE
SYAI 1.3	Thu	16:00–16:30	SCH 251	LDA+DMFT approach to excitations spectrum in Half-Metallic Ferromagnets — •ALEXANDER LICHTENSTEIN
SYAI 1.4	Thu	17:00–17:30	SCH 251	Insight and prediction of material properties from ab initio calculations of electronic excitations — •LUCIA REINING, MATTEO GATTI, RALF HAMBACH, CHRISTINE GIORGETTI
SYAI 1.5	Thu	17:30–18:00	SCH 251	Local excitations in strongly interacting charge-transfer insulators: Frenkel excitons within TD-LDA+U and strong coupling theory — •WEI KU
SYAI 1.6	Thu	18:00–18:30	SCH 251	Electron tunneling and transport at molecular junctions — •ROBERTO CAR

Sessions

O 41.1–41.10	Wed	15:00–17:30	SCH 251	Contributed Talks I
O 42.1–42.126	Wed	17:45–20:30	P2	Poster
O 49.1–49.12	Thu	10:30–13:30	SCH 251	Contributed Talks II
SYAI 1.1–1.6	Thu	15:00–18:30	SCH 251	Invited Talks
O 67.1–67.6	Fri	11:15–12:45	SCH 251	Contributed Talks III