

Symposium Density Functional Theory and Beyond for Real Materials (SYDF)

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

Angel Rubio
European Theoretical Spectroscopy Facility
Dpto. Física de Materiales UPV/EHU
Edificio Jose Mari Korta
Avd Tolosa 71, 20018 San Sebastian
Spain
angel.rubio@ehu.es

Matthias Scheffler
Fritz Haber Institute
of the Max Planck Society
Abteilung Theorie
Faradayweg 4-6
14195 Berlin
scheffler@fhi-berlin.mpg.de

Overview of Invited Talks and Sessions

(lecture room H1)

Invited Talks

SYDF 1.1	Thu	14:45–15:15	H1	Downfolded Self-Energy of Many-Electron Systems and the Hubbard U — •FERDI ARYASETIAWAN
SYDF 1.2	Thu	15:15–15:45	H1	LDA+Gutzwiller method for correlated electron systems — •ZHONG FANG
SYDF 1.3	Thu	15:45–16:15	H1	Localized and itinerant states in d/f-electron systems unified by $GW@LDA+U$ — •HONG JIANG
SYDF 1.4	Thu	16:30–17:00	H1	Giant polaronic effects in solids and nanostructures — •ANDREA MARINI
SYDF 1.5	Thu	17:00–17:30	H1	Excitation energies with time-dependent density <i>matrix</i> functional theory — •EVERT JAN BAERENDS, KLAAS J. H. GIESBERTZ, OLEG GRITSENKO, KATARZYNA PERNAL
SYDF 1.6	Thu	17:30–18:00	H1	Calculations of multipoles in magnetic metals and insulators — •LARS NORDSTRÖM

Sessions

SYDF 1.1–1.6	Thu	14:45–18:00	H1	Density Functional Theory and Beyond for Real Materials
--------------	-----	-------------	----	--