

Symposium Quantum Limited Measurement: Applications in Metrology, Biology and Solid State Research (SYQM)

jointly organized by
the Quantum Optics and Photonics Division (Q) and
the Atomic Physics Division (A)

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Overview of Invited Talks and Sessions (lecture room V47.01)

Invited Talks

SYQM 1.1	Fri	10:30–11:00	V47.01	Overview of some recent "atomic-physics" experiments with nitrogen-vacancy centers in diamond — ●DMITRY BUDKER
SYQM 1.2	Fri	11:00–11:30	V47.01	Quantum Limits and Quantum Enhancement in Magnetometry — FEDERICA BEDUINI, NAEIMEH BEHBOOD, YANNICK DE ICAZA, BRICE DUBOST, MARCO KOSCHORRECK, MARIO NAPOLITANO, ANA PREDOJEVIC, ROBERT SEWELL, FLORIAN WOLFGRAMM, ●MORGAN MITCHELL
SYQM 2.1	Fri	14:00–14:30	V47.01	Nanoscale magnetic resonance imaging: Progress and challenges — ●DANIEL RUGAR
SYQM 2.2	Fri	14:30–15:00	V47.01	Optical Far-Field Addressing of Single Spins Beyond the Diffraction Limit at Enhanced Collection Efficiency — ●DOMINIK WILDANGER, JERO MAZE, BENNO KOBERSTEIN-SCHWARZ, JAN MEIJER, SÉBASTIEN PEZZAGNA, BRIAN PATTON, JASON SMITH, STEFAN HELL

Sessions

SYQM 1.1–1.7	Fri	10:30–12:45	V47.01	Quantum limited measurement applications 1
SYQM 2.1–2.7	Fri	14:00–16:15	V47.01	Quantum limited measurement applications 2