

# Symposium Quantum Control Spectroscopy (SYQS)

jointly organized by  
the Molecular Physics Division (MO) and  
the Quantum Optics and Photonics Division (Q)

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## Overview of Invited Talks and Sessions

(lecture room E 415)

### Invited Talks

SYQS 1.1	Th	10:30–11:00	E 415	<b>Theoretical studies on quantum control and spectroscopy of ultrafast photoreactions</b> — •REGINA DE VIVIE-RIEDLE, JUDITH VOLL, ARTUR NENOV, TIAGO BUCKUP, JÜRGEN HAUER, MARCUS MOTZKUS
SYQS 1.2	Th	11:00–11:30	E 415	<b>Quantum Control Spectroscopy: Understanding photobiology with coherently controlled matter waves</b> — •TIAGO BUCKUP, JÜRGEN HAUER, JUDITH VOLL, REGINA VIVIE-RIEDLE, MARCUS MOTZKUS
SYQS 1.3	Th	11:30–12:00	E 415	<b>Development of strategies for the optimal control in complex systems</b> — •ROLAND MITRIC
SYQS 1.4	Th	12:00–12:30	E 415	<b>Mechanistic laser pulse parameterizations</b> — •TOBIAS BRIXNER
SYQS 2.1	Th	14:00–14:30	E 415	<b>Efficient control of electron dynamics</b> — •MATTHIAS WOLLENHAUPT
SYQS 2.2	Th	14:30–15:00	E 415	<b>Exploring wavepacket dynamics under strong laser fields</b> — •LETICIA GONZALEZ
SYQS 2.3	Th	15:00–15:30	E 415	<b>Quantum Control Spectroscopy in Ultracold Atomic and Molecular Gases</b> — •MATTHIAS WEIDEMÜLLER

### Sessions

SYQS 1.1–1.4	Th	10:30–12:30	E 415	<b>Quantum Control Spectroscopy I</b>
SYQS 2.1–2.3	Th	14:00–15:30	E 415	<b>Quantum Control Spectroscopy II</b>