

Symposium Frontiers of Light (SYFL)

jointly organized by the divisions of the Condensed Matter Section (SKM)

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United Nations proclaimed 2015 as the “International Year of Light and Light-based Technologies”. With this cross-disciplinary Symposium we want to feature the prominent role of “light” (in a broad sense also beyond visible frequencies) at the forefront of fundamental research in the context of condensed matter.

Overview of Invited Talks and Sessions

(Lecture room: H 0105)

Plenary Talk Stefan Hell

SYFL 1.1 Tue 13:00–13:45 H 0105 **Nanoscopy with focused light** — ●STEFAN HELL

Invited Talks

SYFL 2.1 Tue 13:50–14:20 H 0105 **Quantum Optomechanics** — ●MARKUS ASPELMEYER
 SYFL 2.2 Tue 14:20–14:50 H 0105 **Single Photons and Spins: The quest for the ultimate quantum tool**
 — ●JOERG WRACHTRUP
 SYFL 2.3 Tue 14:50–15:20 H 0105 **Science at the Timescale of the Electron: Tabletop Ultrafast X-rays and Applications in Nano and Materials Science** — ●MARGARET MURNANE

Sessions

SYFL 1.1–1.1 Tue 13:00–13:45 H 0105 **Plenary Talk Stefan Hell**
 SYFL 2.1–2.3 Tue 13:50–15:20 H 0105 **Frontiers of Light (SYFL)**