

## Symposium Photons for Magnetism (SYPM)

jointly organized by  
the Magnetism Division (MA),  
the Semiconductor Physics Division (HL),  
the Microprobes Division (MI), and  
the Surface Science Division (O)

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Accelerator-based photon sources producing highly brilliant synchrotron radiation have played an important role in the development of magnetism and spintronics during the last 20 years. The exploitation of x-ray magnetic circular dichroism and related phenomena has enabled the advancement of sophisticated experimental techniques in spectroscopy, scattering, and imaging. This symposium brings together people from the areas of magnetism and accelerator physics in an effort to identify the chances for future magnetism research lying in the development of new accelerator-based light sources, such as free-electron lasers, or energy recovery linacs. These new sources provide improved brilliance and short light pulses in the femtosecond regime. Therefore, particular emphasis is paid to time-resolved experiments and the application of these light sources in pump-probe investigations in spin dynamics.

## Overview of Invited Talks and Sessions

(Lecture Room H1)

### Invited Talks

SYPM 1.1	Thu	15:00–15:30	H1	<b>Ultrafast emergence of nanoscale ferromagnetism far from equilibrium</b> — ●HERMANN DÜRR
SYPM 1.2	Thu	15:30–16:00	H1	<b>Free-Electron Laser for Ultrafast Measurements in Material Science</b> — ●SVEN REICHE
SYPM 1.3	Thu	16:00–16:30	H1	<b>Nanomagnetism seen by Femtosecond X-rays</b> — ●STEFAN EISEBITT
SYPM 1.4	Thu	16:30–17:00	H1	<b>Ultrashort Radiation Pulses at Storage Rings</b> — ●HOLGER HUCK
SYPM 1.5	Thu	17:00–17:30	H1	<b>Every atom counts - Magnetic properties of supported metal atoms and small alloy clusters</b> — TORBEN BEECK, IVAN BAEV, STEFFEN PALUTKE, KAI CHEN, SÖREN MEYER, KARI JÄNKÄLÄ, MICHAEL MARTINS, ●WILFRIED WURTH

### Sessions

SYPM 1.1–1.5	Thu	15:00–17:30	H1	<b>Photons in Magnetism (MA, HL, MI, O)</b>
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