Working Group "Young DPG"
Arbeitskreis junge DPG (AKjDPG)

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Be welcome to this year's program of the Working Group young DPG!

To those, who are new to the conference and are feeling lost in view of the various sessions, we want to offer the chance to build a solid foundation and to learn about the hot topics of the conference. You are cordially invited to visit the tutorials on Monday morning and learn about Ryberg physics and strong light-matter interaction with pulsed light!

With our PhD-Symposium we want to explore the fascinating physics of solid state quantum emitters coupled to optical microcavities. The symposium is especially designed to give an introduction into the topic and will feature well known experts on the field.

In joint work with the Working Group Information (AGI) we offer the Hacky Hours on Wednesday. This session gives you the opportunity to share the tools which ease your daily research and to learn about the favorite software used by your peers.

We are looking forward to seeing you at our events!

Overview of Invited Talks and Sessions
(Lecture hall AKjDPG-H17 and AKjDPG-H18)

Invited Talks

AKjDPG 1.1	Mon	11:00–12:00	AKjDPG-H17	**From the Rydberg Formula to Rydberg arrays** — •JAN MICHAEL ROST
AKjDPG 1.2	Mon	12:00–13:00	AKjDPG-H17	**Quantum simulation and quantum computation with Rydberg atom arrays** — •JOHANNES ZEIHER
AKjDPG 2.1	Mon	11:00–12:00	AKjDPG-H18	**Atoms and molecules in strong fields and how to observe times and phases** — •MANFRED LEIN
AKjDPG 2.2	Mon	12:00–13:00	AKjDPG-H18	**Ultrafast light-matter interaction: Measuring and controlling quantum dynamics with attosecond and femtosecond flashes of light** — •CHRISTIAN OTT

Sessions

AKjDPG 1.1–1.2	Mon	11:00–13:00	AKjDPG-H17	**Tutorial Rydberg Physics (joint session AKjDPG/SYRY/Q)**
AKjDPG 2.1–2.2	Mon	11:00–13:00	AKjDPG-H18	**Tutorial Strong Light-Matter Interaction with Ultrashort Laser Pulses (joint session AKjDPG/A)**
AKjDPG 3.1–3.3	Wed	14:00–15:45	AGI-H20	**Hacky Hour I (joint session AGI/AKjDPG)**
AKjDPG 4.1–4.2	Wed	16:00–17:15	AGI-H20	**Hacky Hour II (joint session AGI/AKjDPG)**