

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 on a MSc level. You are cordially invited to visit the tutorials on Sunday!

With our PhD-Symposium we want to explore the current Trends in Atom Interferometry. The symposium is especially designed to give an introduction into the topic and will feature well known experts on the field.

For participants at the end of their PhD and young PostDocs we offer a Lunch Talk on Tuesday in collaboration with the Working Group on Industry and Business (AIW). In this talk Dr. Holger Lubatschowski, a physicist who founded his own company, will share his knowledge about becoming an entrepreneur. The talk will be given in German.

Last but not least, we want to ease the scientific program and offer you the opportunity to connect with your peers. Be welcome to join the tower building contest on Tuesday right after the plenary talk and to explore Hannover's night life during the pub crawl on Tuesday evening.

We are looking forward to seeing you at our events!

Overview of Invited Talks and Sessions

Tutorials

AKjDPG 1.1	Sun	16:00–17:00	b305	Photoionization with polarization-shaped ultrashort laser pulses — •MATTHIAS WOLLENHAUPT
AKjDPG 1.2	Sun	17:00–18:00	b305	The orbital angular momentum of light — •GIACOMO SORELLI
AKjDPG 2.1	Sun	16:00–17:00	b302	Molecular quantum states and their detection by spectroscopy. — •EBERHARD TIEMANN
AKjDPG 2.2	Sun	17:00–18:00	b302	Attosecond and femtosecond spectroscopy at extreme limits — •HANIEH FATTAHI
AKjDPG 3.1	Sun	16:00–17:00	a310	Plasmas at atmospheric pressure: Overview on Physics and Applications — •RONNY BRANDENBURG
AKjDPG 3.2	Sun	17:00–18:00	a310	Introduction to High-Temperature Plasma Physics — •GOLO FUCHERT

Lunch Talk

AKjDPG 4.1	Tue	13:10–13:55	f303	Ein Physiker als Unternehmer? Kann der das? — •HOLGER LUBATSCHOWSKI
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Invited talks of the joint symposium SYAI

See SYAI for the full program of the symposium.

SYAI 1.1	Mon	14:00–14:30	e415	Atom interferometry and its applications for gravity sensing — •FRANCK PEREIRA DOS SANTOS, LUC ABSIL, ROMAIN CALDANI, XIAOBING DENG, ROMAIN KARCHER, SÉBASTIEN MERLET, RAPHAËL PICCON, SUMIT SARKAR
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SYAI 1.2	Mon	14:30–15:00	e415	Atom interferometry for advanced geodesy and gravitational wave observation — ●PHILIPPE BOUYER
SYAI 1.3	Mon	15:00–15:30	e415	Fundamental physics with atom interferometry — ●PAUL HAMILTON
SYAI 1.4	Mon	15:30–16:00	e415	Atoms and molecules interacting with light — ●LUCIA HACKERMÜLLER

Sessions

AKjDPG 1.1–1.2	Sun	16:00–18:00	b305	Tutorial Chirality (joint session AKjDPG/Q)
AKjDPG 2.1–2.2	Sun	16:00–18:00	b302	Tutorial Modern spectroscopy
AKjDPG 3.1–3.2	Sun	16:00–18:00	a310	Tutorial Plasma Physics (joint session AKjDPG/P)
AKjDPG 4.1–4.1	Tue	13:10–13:55	f303	Lunch Talk: Ein Physiker als Unternehmer? Kann der das?

Tower Building Contest

Tuesday, 10 March 2019 10:30 e415

Pub Crawl

Tuesday, 10 March 2019 20:00 Meeting point: Main Entrance of University Building