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

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With this year's program the Working Group young DPG wants to appeal to many minds. Those, who are new to the conference and feeling lost in view of the many sessions and the many topics, we want to offer the chance to catch an anchor and to learn about several topics of the conference on a MSc level. You are heartily invited to visit the tutorials on Sunday!

Those, who are longer in the business, we together with the Working Group Information want to give the possibility to discuss on a hot topic determining their future, namely about the upcoming developments of the publication system in the context of a panel discussion on Tuesday.

Last, we also offer the opportunity to ease the hard scientific program and to learn about interesting topics in the atmosphere of an EinsteinSlam. Slammers will have the possibility to present physical topics to an audience and to convince if that they are the right person to own the Golden Albert. Since we also want to support networking between the conference's participants, we offer a tower building contest on Tuesday right after the plenary talk and a pub crawl on Wednesday evening.

Everyone is welcome! We are looking forward to see you at our events!

Overview of Talks and Sessions

(Lecture rooms K 1.011, 1.016, 2.016, and RW HS)

Tutorials

AKjDPG 1.1	Sun	16:00–16:45	K 1.011	**Introduction into physics of Wendelstein 7-X** — •Sergey Bozhenkov
AKjDPG 1.2	Sun	16:55–17:40	K 1.011	**What's up in complex/dusty plasmas?** — •Dietmar Block
AKjDPG 2.1	Sun	16:00–16:45	K 1.016	**An Introduction to Quantum Computers** — •Norbert Schuch
AKjDPG 2.2	Sun	16:55–17:40	K 1.016	**The Quantum Way of Doing Computations** — •Rainer Blatt
AKjDPG 3.1	Sun	16:00–16:45	K 2.016	**Molekülphysik - ein Tutorial** — •Gereon Niedner-Schatteburg
AKjDPG 3.2	Sun	16:55–17:40	K 2.016	**Controlled molecules to investigate ultrafast chemical dynamics in the molecular frame** — •Sebastian Trippel

Invited talks of the PhD-Symposium: Floquet Physics - how time-periodic systems can make a difference (SYPS)

SYPS 1.1	Mon	14:00–14:30	RW HS	**Floquet engineering of interacting quantum gases in optical lattices** — •André Eckardt
SYPS 1.2	Mon	14:30–15:00	RW HS	**Experiments on driven quantum gas and surprises** — •Cheng Chin
SYPS 1.3	Mon	15:00–15:30	RW HS	**Exploring 4D Quantum Hall Physics with a 2D Topological Pumps** — •Oded Zilberberg, Michael Lohse, Christian Schweizer, Immanuel Bloch, Hannah Price, Yaacov Kraus, Sheng Huang, Mohan Wang, Kevin Chen, Jonathan Guglielmon, Mikael Rechtsman
SYPS 1.4	Mon	15:30–16:00	RW HS	**Floquet Discrete Time Crystals in a Trapped-Ion Quantum Simulator** — •Guido Pagano, Jiehang Zhang, Paul Hess, Antonis Kyprianidis, Patrick Becker, Jacob Smith, Aaron Lee, Norman Yao, Tobias Grass, Alessio Celi, Maciej Lewenstein, Christopher Monroe

Discussion

AKjDPG 4.1	Tue	12:45–13:45	RW HS	**The Future of Our Publication System** — •Uwe Kahlert, Konstanze Söllner, Andrea Taroni, Gerard Meijer, Enrico Stein

Lunch Talks organized by AKjDPG

PV V	Tue	13:00–13:45	K 2.020	**Vom Doktorhut zum Vorstandshemd: Physiker können auch Unternehmer** — •Wilhelm Kaenders
PV XIV	Thu	13:00–13:45	K 2.020	**Erneuerbare Energien und elektrisches Energiesystem – ein Platz für Physiker?** — •Bernd Utz

Sessions

AKjDPG 1.1–1.2	Sun	16:00–17:40	K 1.011	**Tutorial Plasma Physics**
AKjDPG 2.1–2.2	Sun	16:00–17:40	K 1.016	**Tutorial Quantum Computing**
AKjDPG 3.1–3.2	Sun	16:00–17:40	K 2.016	**Tutorial Molecular Physics**
AKjDPG 4.1–4.1	Tue	12:45–13:45	RW HS	**The Future of our Publication System (joint session AKjDPG/AGI)**