MAX-PLANCK-GESELLSCHAFT

mpipks

Quantum Dynamics in Tailored Intense Fields

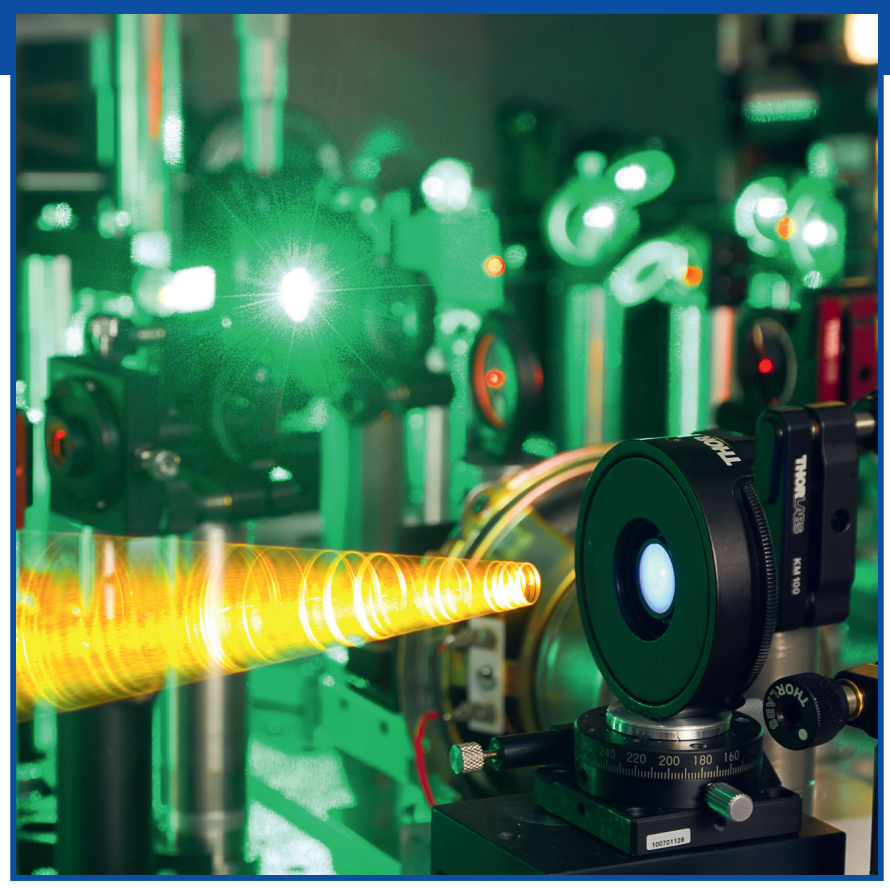
Max Planck Institute for the Physics of Complex Systems

International Focus Workshop with Annual Meeting of the DFG Priority Programme QUTIF

27 February - 1 March 2017

Quantum systems in the presence of strong controlled light constitute the central theme of this workshop. With controlled fields, processes such as chemical reactions or electron emission can be influenced and information about the microscopic world can be gained.

The workshop includes presentations from the DFG Priority Programme QUTIF as well as invited talks by external experts.



Topics

- Intense-laser-matter interactions
- Quantum dynamics of atoms, molecules, solids, clusters and nanostructures
- High-harmonic generation and attosecond physics
- Coherent control of ionization, fragmentation and chemical reactions
- Pulse-shaping techniques for tailored light fields
- Charge migration
- Interaction of chiral molecules with laser fields
- Numerical methods

Invited speakers:

Andreas Becker (US)
Francesca Calegari (IT)
Zenghu Chang (US)
Marcus Motzkus (DE)
Nina Rohringer (DE)
Henrik Stapelfeldt (DK)
Giulio Vampa (CA)

Scientific coordinators:

Manfred Lein
Hannover, Germany

Gerhard Paulus
Jena, Germany

Jan-Michael Rost
Dresden, Germany

Organisation:

Mandy Lochar
MPIPKS Dresden

Applications received before 10 December 2016 are considered preferentially.

Applications are welcome and should be made by using the application form on the event's web page. The number of attendees is limited. The registration fee for the international focus workshop is 120 Euro and should be paid by all participants. Costs for accommodation and meals will be covered by the Max Planck Institute. Limited funding is available to partially cover travel expenses. Please note that childcare is available upon request.

For further information please contact:
Visitors Program – Mandy Lochar
MPI for the Physics of Complex Systems
Nöthnitzer Str. 38, D-01187 Dresden
Tel: +49-351-871-1933
Fax: +49-351-871-2199
qutif17@pks.mpg.de
www.pks.mpg.de/qutif17/

We also offer individual fellowships (phd, postdoc, sabbatical). Applications are accepted continuously. For details, please check www.pks.mpg.de/visitors