

Annual Meeting

International Max Planck Research School of
Advanced Photon Science, IMPRS-APS

Ringberg Castle, 25-27 November 2013



IMPRS **APS**

Program Annual Meeting IMPRS-APS 2013 Ringberg Castle, 25 - 27 November		
Arrival <i>bus will depart from MPQ at 8 a.m. and from U-6 terminal Garching-Forschungszentrum at 8:15 a.m.</i>		
Arrival coffee		10:00 - 10:30
Welcome & Opening Remarks		
MONDAY, November 25, Session 1		Chair: Georg Wachter
Hui Li	<i>CEP-dependent dissociative ionization of D2 and hydrogen migration in allene in few-cycle laser fields</i>	10:40 – 11:05
Vinay Pramod Majety	<i>Photo-emission from atoms and small molecules</i>	11:05 – 11:30
David Picconi	<i>Quantum dynamics of nonadiabatic molecular photodissociations</i>	11:30 – 11:55
Katharina Doblhoff	<i>Coulomb effects in strong-field ionization of H₂⁺ by intense, circularly polarized laser fields</i>	11.55 - 12.20
Lunch / discussions		12:30 – 14:00
MONDAY, November 25, Session 2		Chair:
Bastian Baudisch	<i>Detailed analysis of wavelength dependent life time measurements: Determination of impurities in chemical samples</i>	14:00 – 14:25
Alissa Wiengarten	<i>Single molecule chemistry on metal surfaces</i>	14:25 – 14:50
Jindrich Krcmar	<i>Nonperturbative Calculations of 2D Spectra, Quantum Dynamics in Detail</i>	14:50 – 15:15
Deniz Tuna	<i>The Photostability of the Building Blocks of Nucleic Acids</i>	15:15 - 15:40
Daniel Strobusch	<i>Sparse Grids for Quantum Operators</i>	15:40 - 16:05
Coffee break		16:05- 16:30
MONDAY, November 25, Session 3		Chair:
Daniel Rivas	<i>Energy scaling of isolated attosecond pulses</i>	16:30 – 16:55
Mattia Lupetti	<i>Attosecond Photocopy of Surface Plasmon Polaritons</i>	16:55 – 17:20
Ayman Akil	<i>XUV diffraction from nanostructures</i>	17:20– 17:45
Kellie Pearce	<i>Observing and controlling surface-plasmon-polaritons in metal nanostructures</i>	17:45 – 18:10
Dinner		18:30

TUESDAY, November 26, Session 1		Chair:	9:00 – 10:40
Michael Förster	<i>Ultrafast physics and nanooptics at sharp metal tips</i>		9:00 - 9:25
Sebastian Thomas	<i>Interaction-free measurements with electrons</i>		9.25 – 9:50
Jakob Liss	<i>Ultrafast many-body dynamics as a few-body problem</i>		9:50 - 10:15
Georg Wachter	<i>Simulation of light-matter interaction</i>		10.15 - 10:40
Coffee break			10:40 - 11:00
TUESDAY, November 26, Session 2		Chair:	11:00– 12:15
Matt Walbran	<i>Laser-microwave synchronisation for ultrafast electron diffraction</i>		11:00 – 11:25
Andrey Ryabov	<i>THz near-field imaging with ultrafast electrons</i>		11:25 – 11:50
Hanieh Fattahi	<i>How I spent my last 5 years</i>		11:50 – 12:15
Lunch			12:30 - 14:00
TUESDAY, November 26, Session 3:		Chair:	14:00 – 15:40
Annkatriin Sommer	<i>Current status of the 2 channel waveformsynthesizer and future plans</i>		14:00 – 14:25
Elisabeth Bothschafter	<i>Attosecond polarization spectroscopy of SiO₂</i>		14:25 – 14:50
Tim Paasch-Colberg	<i>Field-controlled currents in dielectrics and semiconductors</i>		14:50 – 15:15
Sabine Keiber	<i>Controlling Electron Dynamics in Solids with Infrared Light Fields</i>		15:15 – 15:40
Coffee Break			15:40 - 16:00
TUESDAY, November 26, Session 4		Chair:	16:00 - 18:30
Marcus Seidel	<i>Stabilizing High Power Thin Disk Oscillators</i>		16:00 – 16:25
Johannes Wenz	<i>Revitalization of the ATLAS Laser System</i>		16:25 – 16:50
Lauryna Lötscher	<i>High power 100 kHz repetition rate laser development</i>		16:50 – 17:15
Christoph Wandt	<i>Diode-pumped, active-mirror Yb:YAG, imaging multi-pass amplification to the IJ-level</i>		17:15 - 17:40
Alexander Kessel	<i>Generation of ultra-broadband near-IR light pulses</i>		17:40 - 18:05
Nick Karpowicz	<i>Insider information for choosing a postdoc position</i>		18:05 - 18:30
Dinner Bavarian Evening			18:30

WEDNESDAY, November 27, Session 1		Chair:	9:00 – 10:40
Kerstin Hofmann	<i>Clinical treatment planning with laser-accelerated protons</i>		9:00 - 9:25
Tobias Ostermayr	<i>Levitating targets for laser plasma interactions</i>		9:25 – 9:50
Shao-wei Chou	<i>Progress of electron acceleration</i>		9:50 – 10:15
Karl Ulrich Bamberg	<i>The dynamics of a thin laser-driven nano foil and radiation from it</i>		10:15 - 10:40
Coffee Break			10:40 - 11:00
WEDNESDAY, November 27, Session 2		Chair:	11:00 – 12:15
Jianhui Bin	<i>Relativistic plasma optics enabled by nano material</i>		11:00– 11:25
Constantin Klier	<i>Positron generation from thin foils</i>		11:25 – 11:50
Sebastian Raith	<i>Longitudinal phase-space characterization of laser-accelerated electrons bunches</i>		11:50 – 12:15
Lunch			12:30
DEPARTURE after lunch at approx. 13:30			