

Curriculum Vitae

Prof. Dr. Matthias Friedrich Kling

Born 30.03.1972 in Hanover, Germany

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Experience

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| Since 08/2011 | Co-appointed as Adjunct Professor , Postech University, Department of Physics, Pohang, South Korea |
| Since 05/2011 | Coordinator of the B3 research area “Lightwave electronics”, Cluster of Excellence: Munich Centre for Advanced Photonics (MAP) |
| Since 04/2011 | Co-appointed as Visiting Professor , King Abdullah Institute for Nanotechnology, King-Saud University, Riyadh, Saudi Arabia |
| Since 08/2009 | Co-appointed as Assistant Professor , Kansas State University; JRM Laboratory, Manhattan, Kansas, USA,
http://www.phys.ksu.edu/people/grad_faculty.html |
| 01/2008 – 12/2009 | Coordinator of the International Max-Planck Research School of Advanced Photon Science (IMPRS-APS),
http://www.mpq.mpg.de/APS/ |
| Since 2009 | Member of the Max Planck Advanced Study Group at the Center for Free Electron Laser Science (CFEL), DESY, Hamburg
http://www.cfel.mpg.de/ |
| Since 01/2008 | Core faculty member of the International Max-Planck Research School of Advanced Photon Science (IMPRS-APS),
http://www.mpq.mpg.de/APS/ |
| Since 10/2007 | Member and project leader of the Cluster of Excellence: Munich Centre for Advanced Photonics (MAP) |
| Since 01/2007 | Max Planck Research Group Leader of the group “Attosecond Imaging” at the Max-Planck-Institute of Quantum Optics, Garching
“Emmy-Noether” fellow of the German Science Foundation,
http://www.attoworld.de/kling-group |

10/2004 – 12/2006	Postdoc within the group of Prof. M.J.J. Vrakking at the FOM Institute for Atomic and Molecular Physics (AMOLF), Amsterdam, The Netherlands, „Marie Curie“ research fellow of the European Union.
06/2003 – 09/2004	Postdoc within the group of Prof. C.B. Harris at the Department of Chemistry, UC Berkeley, USA „Feodor-Lynen“ research fellow of the Alexander von Humboldt Foundation.
05/2002 – 05/2003	Postdoc within the group of Prof. M. Buback at the Institute for Physical Chemistry, University of Goettingen
04/1998 – 04/2002	Ph.D. within a collaboration of the groups of Prof. Dr. B. Abel, Prof. Dr. M. Buback, Prof. Dr. J. Schroeder and Prof. Dr. J. Troe at the Institute for Physical Chemistry, University of Goettingen. Teaching assistant for several lab courses and lectures on physical chemistry and spectroscopy.

Education

	Georg-August-University Goettingen
04/1998 – 04/2002	Ph.D. study in Physical Chemistry / Laser spectroscopy English thesis title: „Experimental and theoretical studies on the femtosecond kinetics of the photo-induced decay of aromatic peroxides“
10/1992 – 02/1998	Diploma study in Physics English thesis title: „UV pump/IR probe spectroscopy: studies on the decay dynamics of bis(2-naphthoyl)peroxide in the liquid phase“
	Friedrich-Schiller-University Jena
10/1998 – 09/2000	Advanced study in laser technology (parallel to Ph.D.), Supervisor: PD Dr. G. Staupendahl

Individual Awards and Fellowships

- „Otto-Wallach-Prize“, Faculty of Chemistry, University of Goettingen, 2001.
- „Book-prize“ for an outstanding Ph.D. thesis, University of Goettingen, 2002.
- “Feodor-Lynen” fellowship of the Alexander von Humboldt Foundation, 2003-2004.
- “Marie Curie” individual intra-european fellowship, 2004-2006.
- “Marie Curie” Reintegration Award, 2007-2008.
- “Emmy-Noether” fellow of the German Science Foundation, 2007-2011.
- Kansas EPSCOR NSF First Award, 2011
- “Röntgen-Prize”, Gustus-Liebig University Giessen, 2011.

Professional Affiliations

German Physical Society (DPG), American Physical Society (APS), Alexander von Humboldt Network (AvH), German Bunsen Foundation for Physical Chemistry (DBG), German Scholars Organization (GSO)

Recent invited talks

2012

- **Photonics West**, Jan. 2012, San Francisco (USA)

2011

- **OSA Annual Meeting, Frontiers in Optics**, Oct. 16-20, 2011, San Jose (USA)
- **CERF**, Sept. 12-16, 2011, Rostock (Germany)
- **Keynote lecture, SPIE "Optics and Photonics"**, August 21-25, 2011, "Strongly driven electron emission from nanoparticles in few-cycle laser fields", San Diego (USA)
- **LPHYS**, July 10-15, 2011, "Attosecond nanophotonics", Sarajevo (Bosnia-Herzegovina)
- **ICOMP**, July 3-6, 2011, "Attosecond control and observation of electron dynamics in nanosystems in few-cycle laser fields", Sapporo (Japan)
- **DAMOP**, June 13-17, 2011, "Near-field enhanced electron acceleration from dielectric nanospheres in intense few-cycle laser fields", Atlanta (USA)
- **ATTOFEL summer school**, "Attosecond plasmonics", May 2-7, 2011, Crete (Greece)
- **Colloquium**, "Attosecond nanophotonics", April 22, 2011, Physics Department, K-State University, Manhattan (USA)
- **GFRLS** (German-French-Russian Lasersymposium), "Strongly driven electron emission and phase-transitions in nanosystems in few-cycle laser fields", April 14-18, 2011, Gößweinstein (Germany)
- **Colloquium**, "Attosecond control of strong-field processes in molecules and nanoparticles", Feb. 18, 2011, TIPC, CAS, Beijing (China)
- **Colloquium**, "Attosecond electron emission probes of ultrafast nanolocalized fields", Feb. 20, 2011, Seoul (Korea)
- **Colloquium**, "Strongly driven electron emission and phase-transitions in nanosystems in few-cycle laser fields", Feb. 23, 2011, KAIST, Daejeon (Korea)
- **Colloquium**, "Controlling and observing electron motion in molecules on attosecond timescales", Feb. 25, 2011, KAIST, Daejeon (Korea)

2010

- **ECLIM: European Conference on Laser Interactions with Matter**, "Near-field enhanced electron acceleration from dielectric nanospheres in intense few-cycle laser fields", September 6-10, 2010, Budapest (Hungary)
- **Heraeus meeting on "Ultrafast atomic physics"**, "3D momentum imaging of the phase control of non-sequential ionization and molecular dissociation via single shot carrier envelope phase detection", August 19-22, 2010, Bad Honnef (Germany)
- **Colloquium**, "Attosecond nanophotonics / nanoplasmonics", August 12, 2010, LBNL, Berkeley (USA)
- **SPIE "Optics and Photonics"**, August 1-5, 2010, San Diego (USA), "Electron emission and XUV light probes of ultrafast nanoplasmonic fields"

- **Ringberg meeting on “Coherent control”**, “Laser waveform control of molecular dissociation and field-free orientation”, May 31 - June 2, 2010, Kreuth (Germany)
- **Colloquium**, “Laser waveform control of molecular dissociation and field-free orientation”, May 8, 2010, Zurich University, Zurich (Switzerland)

2009

- **Colloquium**, “Laser waveform control of molecular dissociation and field-free orientation”, Dec. 7, 2009, Aarhus University (Denmark)
- International Bunsen Discussion “**Molecular Transformations and Dynamics in Complex Molecular Environments**”, September 27-30, 2009, Leipzig (Germany), “And action! Video clips of electron motion in molecules”
- **ICPEAC**, July 22-28, 2009, Kalamazoo (USA), “Attosecond electron dynamics in molecules and nanostructures”
- **DPG** spring meeting, March 2-6, 2009, Hamburg (Germany), “And action! Video clips of electron motion in molecules”
- **Colloquium**, “Attosecond Molecular Science”, 29th Jan 09, K-State University, Manhattan, KS (USA)

2008

- **1st COST-CUSPFEL** meeting, Oct. 17-19, 2008, Bordeaux (France), “Attosecond electron dynamics in molecules”
- **ICOMP**, Sept. 18-23, 2008, Heidelberg (Germany), “Towards light-waveform electronics”
- **ELI** preparatory meeting, Aug. 28-30, 2008, Heraklion (Greece), “Towards attosecond nanoplasmonics”
- **GRC** on Multiphoton Processes, June 8-13, 2008, Tilton (USA), “Controlling electron dynamics in molecular dissociation”

2007

- Young Scientists Workshop “**Advanced X-ray photonics**”, Sept. 11-12 2007, Goettingen (Germany), “Attosecond electron dynamics”
- **DAMOP**, June 5-9, 2007, Calgary (Canada), “Attosecond control of electron dynamics”
- CERC3 Young Chemists’ workshop “**Time-resolved methods for studying chemistry**”, April 26-27, 2007, Goettingen (Germany), “Imaging of attosecond electron dynamics”