



CURRICULUM VITAE

Ferenc Krausz

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Born: 17 May 1962, Mór, Hungary

Nationality: Hungarian, Austrian

Status: Married, two children

Current affiliations	Ludwig-Maximilians-Universität (LMU) München Chair of Experimental Physics Am Coulombwall 1 D-85748 Garching	Max-Planck-Institut für Quantenoptik (MPQ) Director Hans-Kopfermann-Str. 1 D-85748 Garching
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Academic education

1981-1985	Study of electrical engineering – Budapest University of Technology, Hungary Study of theoretical physics – Eötvös Loránd University, Budapest, Hungary
1985	Diploma with distinction in electrical engineering – Budapest Univ. Technology
1985-1987	Ph.D. studies – Budapest Univ. Technology, Institute of Physics
1988-1991	Ph.D. studies – Vienna Univ. of Technology, Dept. of Electrical Engineering, Austria
1991	Ph.D. with distinction in laser physics – Vienna University of Technology, Dept. EE
1991-1993	Postdoctoral fellow – Vienna University of Technology, Dept. EE
1993	Habilitation with distinction – Vienna University of Technology, Dept. EE

Appointments

1996-1998	Assistant Professor, Vienna University of Technology, Dept. EE, Vienna, Austria
1999-2004	Full Professor, Vienna University of Technology, Dept. EE
2003-	Director, MPQ, Garching, Germany
2004-	Full Professor, Chair of Experimental Physics, LMU, Munich, Germany
2006-	Director, International Max Planck Research School of Advanced Photon Science
2006-	Deputy Director, Munich-Centre for Advanced Photonics
2007-2009	Managing Director, MPQ, Garching, Germany
2010-	Director, Munich Centre for Advanced Photonics

Research focus

Main fields	Laser physics, X-ray physics, nonlinear optics, time-resolved spectroscopy
Current interests	Synthesis of intense, controlled waveforms of laser light, time-resolved observation and control of atomic-scale electron motion on the attosecond-femtosecond time scale, exploration and exploitation of intense-laser-matter interactions, development of laser-driven brilliant X-ray & particle sources
Major achievements	Co-invention of chirped multilayer mirrors and their use for the routine generation of few-cycle light; generation & measurement of the first waveform-controlled light waves and isolated attosecond pulses, their use for real-time observation of atomic-scale electron motions, such as photoemission, inner-shell relaxation, light-field-induced tunneling, valence electron motion, and angstrom-scale charge transport in solids. These breakthroughs herald the emergence of a new field: <i>attophysics</i> .

Responsibilities

2004-	Coordinating and directing the research of some hundred researchers and technical staff in the <i>LMU-MPQ Laboratory for Attosecond Physics</i> (www.attoworld.de).
2006-	Establishing and directing the International Max Planck Research School of Advanced Photon Science, offering a world-class graduate training and education program for some 50 PhD students from all over the world (www.mpq.mpg.de/APS).
2006-	Establishing, coordinating, and (since 2010) directing the cross-disciplinary research activities of some 40 groups from 9 departments of the LMU and the Technical University of Munich, as well as from the MPQ in the areas of physics, chemistry, biology and medicine (www.munich-photonics.de).
2007-2009	Managing and coordinating the work of the scientific, technical and administrative staff (some 400 people) of the MPQ (www.mpq.mpg.de).
2007-	Advising the President of the LMU on strategic matters.
2008-	Establishing and coordinating a research cooperation between the MPQ and the King Saud University at Riyadh (www.mpq.mpg.de/cms/mpq/en/projects/ksu/index.html).
2009-	Initiating and coordinating the creation of the Laboratory of Extreme Photonics (LEX-Photonics) for the advancement of the technology of few-cycle light and the Centre for Advanced Laser Applications (CALA) for the development of laser-driven brilliant X-ray & particle sources and their use for early cancer detection and therapy.
2010-	Advising the President of the Hungarian Academy of Sciences on strategic matters.

Honors

Fritz Kohlrausch Award, Austrian Physical Society, Austria, 1994
START Award, Federal Ministry of Science & Education, Austria, 1996
Carl Zeiss Award, Ernst Abbe Foundation, Germany, 1998
Wittgenstein Award, Federal Ministry of Science and Education, Austria, 2002
Call as a member to the Austrian Academy of Science, Austria, 2003
Julius Springer Award in Applied Physics, Springer, Germany, USA, 2003
Honorary Doctorate Degree at the Budapest University of Technology, Hungary, 2005
Honorary Professorship at the Vienna University of Technology, Austria, 2005
Gottfried Wilhelm Leibniz-Prize, Deutsche Forschungsgemeinschaft, Germany, 2006
Prize of the City of Vienna for Natural and Technical Sciences, Austria, 2006
Progress Medal of the Royal Photographic Society, United Kingdom, 2006
Manne Siegbahn Memorial Lecture, Royal Swedish Academy of Sciences, Sweden, 2006
Max von Laue Memorial Lecture, Physikalische Gesellschaft zu Berlin, Germany, 2006
James Frank Memorial Lecture, Israel Academy of Sciences, Israel, 2006
Quantum Electronics Award, IEEE Laser and Electro-Optics Society, USA, 2006
Call as a member to the European Academy of Sciences and Arts, Austria, 2007
Call as a member to the Hungarian Academy of Sciences, Hungary, 2007
Fellow, Optical Society of America, USA, 2009
Honorary Professorship, Xian Institute of Optics, Chinese Academy of Sciences, China, 2009
Honorary Citizen, City of Mór, Hungary, 2009
ERC Advanced Investigator Grant, European Union, 2009
Honorary Professorship at the Shanghai Institute of Optics and Fine Mechanics, China, 2010
Visiting Professorship, King Saud University, Saudi Arabia, 2010
Distinguished Visiting Professorship, POSTECH, Korea, 2010
Bundesverdienstkreuz am Bande (Order of Merit of the Federal Government), Germany, 2011
Call as a member to the Russian Academy of Sciences, Russia, 2011
Falling-Walls Lecturer, falling-walls.com/lectures/ferenc-krausz , Germany, 2011