



Curriculum Vitae of Prof. Dr. Jens Biegert

Born on 18. April 1971 in Heidenheim/Brenz, Germany

German Citizen

ORCID: 0000-0002-7556-501X

Web Page: atto.icfo.eu

Academic Record

05/2009 Acreditació de Recerca Avançada - Catedràtic (Full University Chair Accreditation)
 01/2003-12/2006 Oberassistent / Habilitation; ETH Zürich, Switzerland
 03/2001-12/2002 Wissenschaftlicher Assistent; ETH Zürich, Switzerland
 06/1998-03/2001 Dr. rer. nat. (PhD in Physics with distinction); Technical University Munich, Germany;
 Experimental and theoretical research (Prof. Laubereau, Prof. Diels)
 05/1996-05/1998 Master of Science (with distinction); Department of Physics & Astronomy, University of
 New Mexico, U.S.A.; Experimental and theoretical research (Prof. Diels)
 07/1994-05/1998 Graduate studies (Diplom Physik), Julius Maximilians University Würzburg, Germany
 07/1994 Vordiplom (Bachelor of Science), Julius Maximilians University Würzburg, Germany
 10/1992-07/1994 Undergraduate studies, Julius Maximilians University Würzburg, Germany
 07/1991-09/1992 Military Service, TSH/FSHT Eschweiler, FlaRgt 12 Hardheim
 06/1991 Abitur, Max-Planck-Gymnasium Heidenheim

Current Position

05/2019 – present Guest Professor; Fritz-Haber-Institute of the Max-Planck-Society, Berlin, Germany
 01/2007 – present Professor (tenured); ICFO – The Institute of Photonic Sciences, Barcelona, Spain
 01/2007 – present ICREA Research Professor of Attoscience and Ultrafast Optics; ICREA - Catalan Institution
 for Research and Advanced Studies, Barcelona, Spain
 11/2012 – present Research Professor; University of New Mexico, U.S.A.

Previous Positions

06/2021-10/2023 Executive Director; Laserlab-Europe Association (46 institutions), Brussels, Belgium
 01/2022-10/2023 Board of Chairs; Analytic Research Infrastructures of Europe (ARIE; 40,000 researchers)
 10/2001-10/2012 Research Assistant Professor; University of New Mexico, U.S.A.
 01/2003-12/2006 Wissenschaftlicher Oberassistent / Habilitation; ETH Zürich, Switzerland
 07/2001-12/2002 Wissenschaftlicher Assistent; ETH Zürich, Switzerland
 05/1998-07/2001 Research Scientist; CHTM/EECE, University of New Mexico, U.S.A.

Fellowships and Awards

2019 Fellow, American Physical Society, U.S.A.
 2019 Bessel Prize, Alexander von Humboldt Foundation
 2018 European Research Council, Advanced Grant
 2018 European Research Council, Proof of Concept Grant
 2015 Fellow, The Optical Society (OSA), U.S.A.
 2011 Thousand Talents Program Award, Government of China
 2007 Fellow, ICREA Professor of Attoscience and Ultrafast Optics, Spain
 2004 Allen Award, The Optical Society (OSA), U.S.A.
 2001 Marie Curie Fellowship, European Commission
 1999 – 2001 Dissertation Fellowship, Studienstiftung des deutschen Volkes, Germany
 1995 – 1996 Exchange Fellowship, Deutscher Akademischer Austauschdienst DAAD, Germany

Supervision of Graduate Students and Postdoctoral Fellows

01/2007 – present 30 Postdocs / 29 PhD students / 22 Master students / 14 Summer Interns
 ICFO – The Institute of Photonic Sciences, Barcelona, Spain
 07/2001-12/2006 2 Postdocs / 6 PhD students / 4 Master students
 ETH Zürich, Switzerland

05/1998-07/2001 co-supervised 3 PhD students / 6 Bachelor students

Teaching Activities

2015 – present	The Optical Society (OSA) Traveling Lecturer
2007 – present	“Ultrafast and Ultra-Intense Laser Light”, Polytechnic University (UPC), Barcelona
2011 – present	“Ultrafast Laser Physics”, ICFO and Polytechnic University (UPC), Barcelona, Spain
2001 – present	Lecturer in 21 international workshops and schools; Lausanne (2003), Alagoas (2007), Obergurgl (2008), El Escorial (2008), Vilnius (2010), Wuhan (2011), Erice (2011), Santa Fe (2012), Erice (2013), Latvia (2014), Hunter Valley (2015), Erlangen (2016), Crete (2016), Crete (2018), San Sebastian (2019), Cork (2021), Bariloche (2023), Bormio (2023), Noordwijk (2023), Zaragoza (2023, 2024)
01/2003-12/2006	Part-time lecturing “Quantum Electronics” and “Ultrafast Laser Physics”, ETH Zürich
07/2001-12/2006	Problem courses on “Quantum Electronics” and “Ultrafast Laser Physics”, ETH Zürich,
05/1996-06/2001	Lab and Teaching Assistant – “Optics Laboratory”, University of New Mexico, U.S.A.

Organization of Scientific Conferences and Meetings

2025	Program Chair: CLEO Europe; Munich, Germany
2024	Organizer and General Chair: Ultrafast Phenomena; Barcelona, Spain; 360 participants.
2024	Advances in Ultrafast Condensed Phase Physics; Strasbourg, France; 120 participants
2022	Organizer and General Chair: USD Conference; Barcelona, Spain; 60 participants
2022	Program Chair: OPTICA Intl. Conference on Ultrafast Phenomena; Montreal, Canada
2021, 2022	Program Chair: Ultrafast Optics X; Xi’an, China; 350 participants
2021	Organizer and General Chair: OSA Int. Siegman School on Lasers; 300 participants
2020	Co-Organizer: CECAM Workshop “Quantum Battles in Attoscience”; London, UK; 300+
2019	Organizer and General Chair: Marie Curie HICONO; Barcelona, Spain; 73 participants
2019	Organizer and General Chair: ICFO School on the Frontiers of Light: Attoscience and Extreme Photonics; Barcelona, Spain; 84 participants
2018	Organizing and Program Committee: 26 th International Conference on Atomic Physics (ICAP); Barcelona, Spain; 1200 participants
2016	Organizing and Program Committee: The OSA Foundation Siegman International School on Lasers; 120 participants; Barcelona, Spain
2016	Organizer and General Chair: COST Workshop on Advanced X-ray spatial and temporal metrology; 47 participants; Barcelona, Spain
2014	Organizer and General Chair: High Intensity Lasers and High Field Phenomena (HILAS); 164 participants; Berlin, Germany
2012	Organizer and Program Chair: High Intensity Lasers and High Field Phenomena (HILAS); 140 participants; Berlin, Germany
2012	Organizer and General Chair: Foresight Workshop "Time-resolved X-ray Imaging"; 23 participants; Crete, Greece
2009	Organizer and General Chair: 18 th International Laser Physics Workshop (LasPhys); 650 participants; Barcelona, Spain
2009	Organizer and General Chair: STELLA - School for Training in Experiments with Laser, Laser Applications and Gravitational Physics; 35 participants; Barcelona, Spain
2019 – present	Intl. Advisory Committee Intl. Conf. on Attosecond Science and Technology
2001 – present	Steering committee of Int. Laser Physics Conference (2006-present, annually), FEMTO (2011), SILAP (2009,2012,2015), Intl. Conf. Attosecond Science (2019, 2021, 2023, 2025), Ultrafast Surface Dynamics (2022, 2024, 2026)
2001 – present	Program committee EQEC (2005, 2011, 2013, 2019, 2020, 2021, 2023, 2025); CLEO (2009, 2010, 2011, 2012, 2013, 2014, 2018, 2019, 2020, 2021, 2023); ICONO/LAT (2010, 2013); Attosecond Science (2010, 2020, 2022, 2023); NLO50 (2012); Ultrafast Phenomena (2012, 2014, 2016, 2022, 2024); SILAP (2009, 2012, 2015); Ultrafast Optics (2013, 2015, 2019); OSA Siegman School (2016, 2021); Intl. Conf. on Atomic Physics ICAP (2018); Europhoton (2018, 2020, 2022), IEEE ICP (2019), Photonics Europe (2020), EUV and X-ray Optics: Synergy between Laboratory and Space VII, SPIE Congress Optics + Optoelectronics (2021), High-Energy and Power Diode-Pumped Laser Technologies (2025).

Institutional Responsibilities

2015 – present	Representative for Spain in Laserlab-Europe
2015 – present	Management Board Member in Laserlab-Europe
2008 – present	Student Chapter Advisor and Council
2018 – 2021	Admissions and Research Recruitment Committee
2015	Academic Selection Panel
2009, 2013	Member of the Faculty Hiring Committee
2008 – 2017	Founder and Organizer of the Institute Colloquium
2008 – present	Definition and curation of Institute Intranet

Commissions of Trust

2023 – present	Board of Directors - Optica (formerly The Optical Society)
2023 – present	EPS Quantum Electronics and Optics Division – co-opted member
2023 – present	Chair - Meetings Council, Optica (formerly The Optical Society)
2023 – present	Finance Council of Optica (formerly The Optical Society)
2022 – present	Facility Board; CLF - Rutherford Appleton Laboratory, UK
2022 – present	Strategic Planning Council of Optica (formerly The Optical Society)
2022 – present	Topical Editor of OPTICA; Optica (formerly The Optical Society)
2019 – present	Scientific Advisory Board; FORTH Institute of Electronic Structure and Laser, Greece
2021 – 2025	Inaugural Chair – Bernard Couillaud Prize – OPTICA (The Optical Society) and Coherent
2022 – 2023	Board of Chairs; Analytic Research Infrastructures of Europe (ARIE)
2021 – 2023	Executive Director; Laserlab-Europe Association, EU
2020 – 2024	Associate Editor; Ultrafast Science; Science Magazine / Chinese Academy of Science
2019 – 2023	Management Board; Laserlab-Europe Association, EU
2018 – 2023	Management Board; Laserlab-Europe, EU
2022	Chair elect; Meetings Council of Optica (formerly The Optical Society)
2022	Greek Gov. Evaluation Panel; Hellas Foundation of Research and Technology
2022	Tenure Committee, Instituto Superior Técnico, Portugal
2021 - 2022	Chair of the General Assembly; Laserlab-Europe Association, EU
2021 – 2022	Panel Chair Deputy; ERC Consolidator; European Research Council, EU
2021	Evaluation Committee; University of Crete, Department of Physics
2021	Evaluation Panel; Instituto de Plasmas e Fusão Nuclear, Lisboa - Portugal
2020 – 2021	Board of Vice Chairs; Analytic Research Infrastructures of Europe (ARIE)
2020	ERC Call Assessment; European Research Council, EU Commission
2020 – 2021	Chair; Board of Meetings; Optica (formerly The Optical Society) U.S.A.
2020 – 2022	Meetings Council; The Optical Society, U.S.A.
2019 – 2020	Evaluation Panel; OSA Foundation, Couillaud Prize Committee
2019 – 2022	Evaluation Panel; Volkswagen Foundation
2019 – 2021	Management Board Sub.; COST CA18222
2015 – 2021	Board of Meetings; The Optical Society, U.S.A.
2015 – 2021	Associate Editor; AIP Photonics; American Institute of Physics, U.S.A.
2014 – 2022	ERC Consolidator Panel; European Research Council, EU
2012 – 2021	Chair; Networking Board; Laserlab-Europe, EU; (elected 2012, 2015, 2019)
2018	Evaluation Panel; Soleil Synchrotron SMIS, France
2018	Evaluation Panel; Presidency Vilnius University, Lithuania
2018 – 2019	Chair Elect; Board of Meetings; The Optical Society, U.S.A.
2015 – 2018	Management Board; Laserlab-Europe, EU
2015 – 2018	Division Chair; Optical Interaction Science Division; The Optical Society, U.S.A.
2012 – 2017	Country Representative on Management Board; COST MP1203, EU
2013	Reviewer; Presidency of the Universität Göttingen, Germany
2012, 2014	Reviewer; Foundation for Research & Technology Hellas, Greece
2009	Core Group for White-Book to establish the 1 B€ EU Extreme Light Infrastructure ELI

2007 – present Evaluator for U.S.A. NSF, U.S.A. DOE, U.S.A. DARPA, UK EPSRC, German DFG, French ANR, NRC Canada, Greek Ministry of Education, German-Israeli Foundation for Research and Development, Russian Science Foundation, Chilean Ministry of Education, Ministerio de Economía y Competitividad Spain, Agencia para la Calidad del Sistema Universitario de Castilla y León - Spain, Italian National Agency for the Evaluation of Universities and Research Institutes, Czech Science Foundation, Canadian Government, Alfred. P Sloan Foundation, Volkswagen Foundation, Technion, Tel Aviv University

Memberships of Scientific Societies

2016 – present American Association for the Advancement of Science (AAAS), U.S.A.
 2009 – present Deutscher Hochschulverband (DHV), Germany
 2001 – present American Physical Society (APS), U.S.A.
 1998 – present The Optical Society (OSA), U.S.A.
 1998 – present Studienstiftung des deutschen Volkes, Germany
 1995 – present Deutsche Physikalische Gesellschaft (DPG), Germany

Proliferation and Publications

581 peer-reviewed contributions, 180 articles, 20 invited reviews. h-index of 58, i10-index of 117.
 3 books and 9 book chapters. 4 book chapters in encyclopedias. 1 intl. patent (J. Biegert, O. Chalus, P. Bates, “Pulsed light source”, EP2580621B1, US8599889, WO2011157284), 1 EU and 1 US patent pending.
 More than 155 invited, 10 plenaries, 9 post-deadline and 233 oral presentations at international meetings; more than 70 colloquia.

Funding ID

I have acquired a total of 112.8 M€ as PI and co-PI (ARIE, Laserlab-Europe, etc.), directly for my research group 18.0 M€, and have written more than 147 proposals since 2007. During the last 5 years, I secured an ERC Advanced Grant, ERC Proof-of-Concept Grant, coordinate an EU FET Open, one FET and one Pathfinder grant, one Marie Curie Network and 2 COST Networks, lead a Plan Nacional and an AGAUR grant.

Business Creation

Founder and CEO of shells & friends GmbH, a limited liability company, (1994 - 2010); Industrial partnering with EasyLaser Inc.; Industrial partnering with Thorlabs Inc. on Pulse Characterization Methods; Industrial partnering with Thales Optronique S.A. and LightConversion.

Positions of alumni

1. Dr. Brigit Schenkel, ETH Zürich (2004): Engineering Manager at Time Bandwidth *“Supercontinuum Generation and Compression”*
2. Dr. Wouter Kornelis, ETH Zürich (2005): Director at Swiss Re *“Ultrashort Pulse Characterization in Amplitude and Phase from the IR to the XUV”*
3. Dr. Florian Helbing, ETH Zürich (2005): Research Engineer at Bruker Biospin AG *“Measurement and control of the Carrier-envelope offset phase”*
4. Dr. Arne Heinrich, ETH Zürich (2006): Senior Scientist at Pantec Medical Laser *“Coherent Control of High Harmonic Generation Using Attosecond Pulse Trains”*
5. Dr. Christoph Hauri, ETH Zürich (2006): Professor at EPFL Lausanne *“Intense Ultrashort Laser Pulse Generation for Non-Linear Laser-Matter Interactions”*
6. Dr. Alexander Grün (2014): Lector at Springer Verlag *“Nonlinear pulse compression”*
7. Dr. Stefan Teichmann (2015): Partner at Mc Kinsey Consulting *“Ponderomotively scaled high harmonic generation for attoscience in the water window”*
8. Dr. Francisco José Maia Da Silva (2016): Startup Fathom Computing *“Generation of intense few-cycle waveform-controlled electric fields: from the mid-IR to soft-X rays”*
9. Dr. Seth Cousin (2016): Research Associate at JILA *“Towards the generation of isolated attosecond pulses in the water window”*
10. Dr. Matthias Baudisch (2017): Researcher at APE Berlin *“High Power, High Intensity Few-Cycle Pulses in the Mid-IR for Strong-Field Experiments”*

11. Dr. Noslen Suárez Rojas (2018): Business Development Manager at Finboot “Strong-field processes in Atoms and Polyatomic Molecules”.
12. Dr. Benjamin Wolter (2018): Senior Data Scientist at Stuart “Electron Re-Collision Dynamics in Strong Mid-IR Fields for Diffraction Imaging of Molecular Structure and Its Fragmentation”
13. Dr. Bárbara Buades Sabater (2019): CEO Startup MeetOptics “Attosecond X-ray absorption fine-structure spectroscopy in condensed matter”.
14. Dr. Daniel Sanchez (2020): CEO ConexCondal “Development of a high-intensity mid-IR OPCPA pumped by a Ho:YLF amplifier”.
15. Dr. Nicola Di Palo (2020): Postdoc at Politecnico Milano “Ultrafast carrier and structural dynamics in graphite detected via attosecond soft X-ray absorption spectroscopy”.
16. Dr. Ugaitz Elu (2022): Scientist at FHI Berlin “High-peak-power mid-infrared OPCPAs for extreme nonlinear photonics”. Best Thesis Prize
17. Dr. Xinyao Liu (2022): Postdoc at ICFO “Atomic Imaging of complex molecular structures with laser-induced electron diffraction”.
18. Dr. Aurelien Sanchez (2022): Scientist at NRC Canada “Laser-induced electron interferences from atoms and molecules”.
19. Dr. Stefano Severino (2023): Postdoc at Politecnico Milano “Attosecond soft X-ray absorption revealing the ultrafast non-adiabatic dynamics of furan”.
20. Dr. Hung-Wei Sun (2024): Postdoc at Riken, Japan. „X-ray absorption fine structure with attosecond soft X-ray pulses for condensed matter physics “.

15 of my alumni have Professor positions: Hauri (EPFL), Faccio (Heriot-Watt), Clerici (Glasgow), Serrat (Barcelona), Kanai (Kyoto), Ciappina (Technion), Zair (UC London), Moutzouris (Athens), Picon (Madrid), Pupeza (Kaiserslautern), Leon (Santiago de Compostela), Wang (Peking), Hemmer (JILA), Reduzzi (Milano), Di Palo (Milano); 1 is a director at Swiss Re (Kornelis), 1 founded a startup MEETOPTICS (Buades)