

# Biographical Sketch — Klaus Bartschat

## Personal Data

Name:	Klaus Bartschat	phone:	+515-954-9880 (cell)
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## Education

Habilitation (“*venia legendi*”), Physics (1989), University of Münster (Germany)  
Ph.D. (Dr. rer. nat.), Physics (1984), University of Münster (Germany)  
Diploma, Physics, “with highest honors” (1981), University of Münster (Germany)

## Professional Experience

**Present Position:** Ellis & Nelle Levitt Distinguished Professor of Physics, Drake University

### Previous Positions:

Professor, Drake University, September 1994–August 2000  
Associate Professor, Drake University, September 1991–August 1994  
Assistant Professor, Drake University, September 1988–August 1991  
Visiting Assistant Professor, Drake University, January 1987–May 1987  
Research Associate, University of Münster, 1986–1988  
Research Associate, The Queen’s University of Belfast, 1985  
Research Assistant, University of Münster, 1982–1984

## Professional Activities

**Research fields:** electron and positron scattering from atoms and ions, heavy-particle collisions  
photoionization, including strong-field processes in atoms and molecules  
general scattering theory, computational methods

**Publications:** 3 books and 51 further book contributions  
17 invited review articles; 2 major technical reports  
390 refereed papers in professional journals  
75 invited talks at national and international conferences  
117 colloquia, seminars, and guest lectures  
several hundred contributed papers at professional meetings  
h-index (Google Scholar, Dec. 29, 2020): **53**; citations: **10,746**

**Grant Support:** United States National Science Foundation ( $\approx$  \$200,000 per year)  
Extreme Science and Engineering Discovery Environment (supercomputer resources)

**Extended Visits:** The Queen’s University of Belfast (UK), University of Münster (Germany),  
York University Toronto (Canada), JILA (University of Colorado, Boulder),  
Flinders University (Adelaide, Australia), Murdoch University (Perth, Australia),  
Curtin University (Perth, Australia)

**Journal Review:** Journal of Physics B, Physics Letters A, Physical Review A,  
Physical Review Letters, Zeitschrift für Physik D, Hyperfine Interactions  
Australian Journal of Physics, Canadian Journal of Physics, European Physics Letters

**Proposal Review:** National Science Foundation (USA), Department of Energy (USA),  
Australian Research Council, Alexander-von-Humboldt Foundation (Germany),  
National Science and Engineering Research Council of Canada,  
Deutsche Forschungsgemeinschaft (Germany)

**Leadership:** Past Member, General & Executive Committee of ICPEAC (1991–1995, 1999–2001, 2015–2017)  
Past International Secretary of ICPEAC (2001–2007)  
Past Chair, Theoretical Atomic, Molecular, and Optical Community (TAMOC, 1998–2000)  
Past Member, General and Executive Committee of GEC (2000–2002)  
Past Treasurer of GEC (2006–2010)  
Past Secretary of GEC (2014–2015); organizer of GEC/ICRP conference (2015)  
Past Member, NSF Task Force on Grand Challenge Communities (2009–2010)  
Editorial Board: Computer Physics Communications (2009–2017)  
Editorial Board: Plasma Sources Science and Technology; European Physical Journal D

**Honors:** Visiting Fellow, University of Colorado and JILA (Sept. 1992–June 1993)  
Centennial Scholar (College of Arts & Sciences, Drake University, 1993–1994)  
**Fellow of the American Physical Society** (inducted 1998)  
Currently listed in *Who’s Who in America* and *Who’s Who in the World*  
Visiting Fellow, Harvard Smithsonian Center for Astrophysics (June 2002–Dec. 2002)  
Outstanding Referee, Journals of the American Physical Society (since 2008)  
Troyer Research Fellow (Drake University, 2011–2012)  
Foundation Speaker, Gaseous Electronics Conference, 2012  
**Will Allis Prize, American Physical Society, 2016**  
Plenary Speaker, ICPEAC, 2019  
5 Sigma Physicist Award, American Physical Society, 2020