

# Andreas Becker

## **Work Address**

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## **Education**

Diploma, Physics, Bielefeld University, Germany, 1993  
Dr. (Ph.D.), Physics, Bielefeld University, Germany, 1997  
Habilitation, Physics, Université Laval, Québec, Canada, 2000-2006  
Habilitation, Physics, Bielefeld University, Germany, 2003

## **Appointments and Postdoctoral Institutions**

Distinguished Professor, Department of Physics, University of Colorado, Boulder, 2021  
Professor, Department of Physics, University of Colorado, Boulder, 2018 - present  
Fellow, JILA, University of Colorado Boulder, 2012 - present  
Associate Professor (tenured 2012), Department of Physics, University of Colorado Boulder, 2008-2018  
Associate Fellow, JILA, University of Colorado Boulder, 2008-2012  
Group Leader, Max Planck Institute for the Physics of Complex Systems, Dresden, Germany, 2002-2008  
Postdoctoral Fellow, University of Bielefeld and Max Planck Institute for the Physics of Complex Systems Dresden, 2001-2002  
Postdoctoral Fellow, Université Laval, Québec, Canada, 2000-2001  
Postdoctoral Research Associate, University of Bielefeld, Germany, 1997-2000

## **Honors**

Fellowship, German Science Foundation, 2001-2002  
Fellowship, Alexander von Humboldt Foundation, Germany, 2000-2001  
Favorite Professor, Sigma Pi Sigma Physics Honor Society,  
University of Colorado Boulder, Spring 2011, Fall 2011, Spring 2012, Spring 2014  
Fellow, American Physical Society, 2018  
American Physical Society Outstanding Referee, 2020  
Distinguished Professor, Physics, University of Colorado Boulder, 2021

## **Andreas Becker**

### ***Membership and Services***

- Co-Coordinator, Workshop on Trends in Ultrafast Laser Science, 2017
- Co-Coordinator, International Wilhelm and Else Heraeus Summer School on Few-Body Dynamics in Atomic and Molecular Systems, 2006
- Co-Chair, International Symposium on Ultrafast Intense Laser Science 4, 2005
- Co-Coordinator, Seminar and International Workshop on Laser-Matter Interaction and Pulse Propagation, 2005
- Co-Coordinator, International Workshop on Atomic Physics, 2002
- Member of International Committee, International Symposium on Ultrafast Intense Laser Science (ISUILS), since 2001
  
- Member, American Physical Society, Deutscher Hochschulverband (German Association for Higher Education), Deutsche Physikalische Gesellschaft (DPG, German Physical Society)
  
- Co-Director, JILA NSF-Physics Frontier Center, 2021 - present
- Co-Principal Investigator, JILA NSF-Physics Frontier Center, 2013 - present
- Member, JILA Executive Committee, since 2015
- Associate Chair, JILA, 2018-2019
- Chair, JILA, 2020-2021
  
- Chair, Teaching Evaluation and Counseling Committee, Department of Physics, AY 2013/2014, 2016/2017, 2017/2018
- Chair, AMO Theory Search, Department of Physics, AY 2014/2015
  
- On-Site Review Panel, U.S. Department of Energy Atomic, Molecular and Optical Sciences and Ultrafast X-ray Science Laboratory programs, 2014
- Review Panel, German Science Foundation Priority Program "Quantum Dynamics in Tailored Intense Fields", 2015
- Member, Jin Award (Thesis) Committee, American Physical Society, Division of Atomic, Molecular and Optical Physics, 2017-2019
  
- Associate Editor, Science Advances, since March 2021

### ***Research***

#### *Interests:*

Theory of Ultrafast Intense Laser-Matter Interaction, Attosecond Physics, Coherent Control, Correlated Electron Dynamics, Molecular Imaging, Propagation and Filamentation of Ultrafast Laser Pulses

#### *Publications:*

Co-author of 134 peer-reviewed papers

Google scholar: 11407 citations, h-index: 51 (as of 02/01/2022)

Web of Science/Publons: 8319 citations, h-index: 46 (as of 02/01/2022)

96 invited conference, seminar, and colloquium presentations

#### *Grants:*

Research supported by US National Science Foundation, US Department of Energy and Air Force Office of Scientific Research