

# Curriculum Vitae

Dr. Beatriz Roldán Cuenya

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## Education

M.S. June 1998	University of Oviedo, Spain, Physics - Material Sciences.
Ph.D. (summa cum laude) September 2001 Advisor: Prof. Werner Keune	University of Duisburg-Essen, Germany, Solid State Physics.
Post-Doctoral Fellow (2001-2003) Advisor: Prof. Eric McFarland	University of California at Santa Barbara, USA, Chemical Engineering.

## Major Positions

2017-present	Director of the Interface Science Department at the Fritz Haber Institute of the Max Planck Society, Berlin, Germany. Honorary Professor at the Technische Universität Berlin, Freie Universität Berlin, and Ruhr-University Bochum (Germany). Distinguished Research Professor at the University of Central Florida (USA).
2013-2017	Professor (W3), Chair of the Solid State Physics/Surface Physics group at the Institute of Experimental Physics IV, Department of Physics, Ruhr University Bochum (RUB), Bochum (Germany). Joint appointment with the Department of Chemistry at RUB, Bochum (Germany). Distinguished Research Professor in the Physics Department at the University of Central Florida (Orlando, USA).
2012-2013	Professor, University of Central Florida (UCF), Physics Department, Orlando, Florida.
2010-2011	Sabbatical leave (9 months) at the Fritz Haber Institute of the Max Planck Society, Chemical Physics Department, Berlin (Germany).
2008-2012	Associate Professor (tenured), University of Central Florida (UCF), Physics Department, Orlando, Florida. Secondary joint faculty appointments at UCF's Nanoscience and Technology Center and at the Department of Civil, Construction, and Environmental Engineering.

- 2004-2008 Assistant Professor, University of Central Florida, Physics Department, Orlando, Florida.
- 2001-2003 Post-Graduate Scholar, University of California Santa Barbara, Chemical Engineering Department, Santa Barbara, California.
- 1998-2001 PhD student, Fellowship of the Deutsche Forschungsgemeinschaft, Graduate school, Department of Physics, University of Duisburg-Essen, Germany.

### Awards and Honors

- Paul H. Emmett Award from the North American Catalysis Society for Fundamental Catalysis (2022)
- Member of the Academia Europaea, the Academy of Europe (2020 – present)
- Zhang Dayu Lectureship Award of Dalian Institute of Chemical Physics (DICP), Dalian, China, 2020.
- Lectureship Award of Netherlands Center for Multiscale Catalytic Energy Conversion (MCEC), Utrecht, The Netherlands, 2020.
- Distinguished Speaker Award in the Highlight Seminar Series of the Institute for Molecular Science and Engineering (IMSE), Imperial College London, UK, 2020.
- European Research Council Consolidator Award, 2016.
- Fellow of the Max Planck Society, 2016.
- Peter Mark Memorial Award, American Vacuum Society, 2009.
- NSF-CAREER Award, 2005.

### Editorial Services

- Associate editor of ACS Catalysis (2018-present)
- Member of the editorial advisory board of Chemical Reviews journal (2019-present)
- Member of the advisory editorial board of the Journal of Catalysis (2018-present)
- Member of the advisory editorial board of the Surface Science journal (2010-present).
- Associate editor of the J. American Vacuum Science and Technology B (2005-2010).

### Academic Services

- Member of the Advisory Committee of the Office of Basic Energy Sciences of the US Department of Energy. (2011 - present).
- Member of the Scientific Advisory Board of the Advanced Research Center Chemical Building Blocks Consortium (ARC CBBC), Utrecht, The Netherlands (2019 - present).
- Member of the Scientific Advisory Board of the Institute of Chemical Research of Catalonia (ICIQ), Tarragona, Spain (2020 – present).

- Member of the Board of the Cluster of Excellence UniSysCat from the German Science Foundation (DFG), Berlin (2019 - present).
- Chair of the Advisory Committee to the Synchrotron Facility ALBA, Spain (2019 – present).
- Member of the Scientific Council of DESY - Deutsches Elektronen-Synchrotron – (2019-2021).
- Member of the Scientific Advisory Board of the Liquid Sunlight Alliance, USA (2020 – present).
- Member of the Ertl Center for Electrochemistry & Catalysis, Gwangju Institute of Science and Technology, South Korea (2019-2029).
- Elected member of the executive committee of the Surface Science Division of the American Vacuum Society (2009-2012).

### Research Advisees

- PhD students: Luis Katsuya Ono, Jason Croy, Mahdi Ahmadi, Farzad Behafarid, Hemma Mistry, Yong-Wook Choi, Miguel Bernal Lopez, Fabian Scholten, Sebastian Kunze, Philipp Grosse, David Kordus, Clara Rettenmaier, Mauricio Lopez Luna, Felix Haase, Antonia Herzog, Lucas de Souza Caldas, Yujie Peng, Fengli Yang, Felix Landwehr, Martina Rüscher.

- Master students: Simon Mostafa, Katarina Lowjaga, David Kordus, Michael Meischein, Fabian Scholten, Philipp Grosse, Sebastian Kunze, Lukas Pielsticker, Simon Widrinna, Lara Chaves, Philipp Schwendke.

- Post-Doctoral Fellows: Dr. Ahmed R. Naitabdi, Dr. Kristof Paredis, Dr. Lindsay Merte, Dr. Estephania Lira Salazar, Dr. Ioannis Zegkinoglou, Dr. Ilya Sinev, Dr. Nuria Jiménez Divins, Dr. Dunfeng Gao, Dr. Dmitry Gorkov, Dr. Denis van Vörden, Dr. Mahdi Ahmadi, Dr. Hemma Mistry, Dr. Hyo-Sang Jeon, Dr. Rosa Aran Ais, Dr. Ruben Rizo, Dr. Arno Bergmann, Dr. Osman Karslioglu, Dr. Janis Timosenko, Dr. Juan Jesus Navarro, Dr. Georg Simon, Dr. Liviu Tanase, Dr. Mauricio Prieto, Dr. Christopher Kley, Dr. Weiming Wan, Dr. Federico Franco, Dr. Felix Feiten, Dr. Earl Davis, Dr. See Wee Chee, Dr. Jared Bruce, Dr. Jeffrey Poon, Dr. Martin Munz, Dr. Aram Yoon, Dr. Chao Zhan, Dr. Dorottya Hursan, Dr. Ane Etxebarria, Dr. Uta Hejral, Dr. Sebastian Oener, Dr. Aarti Tiwari, Dr. Zhen Yao, Lichen Bai, Si-Woo Lee.

### Memberships

American Physical Society, American Chemical Society, American Vacuum Society, the Electrochemical Society, the International Electrochemical Society, Gesellschaft Deutscher Chemiker (GDCh), the Deutsche Bunsen-Gesellschaft.