

Name and Title:	Katharina Al-Shamery, born v. Puttkamer, Professor Dr. rer. nat. habil.	
Born:	19 October 1958, Eutin (Schleswig-Holstein), Germany married, 2 children	
Current Position:	Full Professor of Physical Chemistry	
Affiliation:	Carl von Ossietzky University Oldenburg Institute for Pure and Applied Chemistry, Faculty V, P.O. Box 2503 D-26111 Oldenburg, Germany	
Telephone / Fax:	(+49-441) 798 3853 / -3849 (Secretary)	
E-mail:	katharina.al.shamery@uni-oldenburg.de	
Studies and Degrees:	1996	Ruhr University Bochum, Germany, Habilitation in Physical Chemistry
	1989	ETH, Zurich, Switzerland, PhD in Physical Chemistry
	1981-1983	Georg August University, Göttingen, Germany, Study of Chemistry, Diploma in Physical Chemistry
	1980-1981	Université de Paris Sud, Study of Physical Chemistry, Orsay, France
	1977-1980	Georg August University, Göttingen, Germany, Study of Chemistry
	1977	Baccalorcate, Wilhelmshaven
Scientific Vita:	2019	Short listed (after nomination by German Universities and selected by the Advisory Board) for President of the DAAD (German Academic Exchange Service)
	2019	Long listed (after nomination by German Universities and selection by selection board) for President of the German Science Foundation
	2009-2025	Professor of Honor of the South Danish University, Sønderborg, Denmark
	2008, 2016	Fellowship of the Radcliffe Institute for Advanced Study of the Harvard University, Cambridge, USA
	1999-	Professor (C4) of Physical Chemistry, Carl von Ossietzky University Oldenburg, Germany
	1999	1 st place of an appointment list for a professorship (C4) at the University of Gießen, Germany
	1996-1998	Group leader at the Fritz-Haber-Institute, Department of Chemical Physics (director: Prof. Dr. H.-J. Freund)
	1991-1996	Group leader at the Ruhr University Bochum, Germany with Professor Dr. H.-J. Freund
	1989-1991	Postdoc stay in the group of Prof. Dr. C. J. S. M. Simpson, University of Oxford, Laboratory of Physical Chemistry, Oxford, Great Britain

Awards:

2024	Students Award of the Chemical Institute for best mentoring of first year students
2022	Students Award of the Chemical Institute for teaching the best bachelor module of the year
2021	Innovation idea award of the Carl von Ossietzky University Oldenburg for teaching
2015	Honory Award of the President of the Carl von Ossietzky University Oldenburg
2013	Elected member of the National Academy of Science Leopoldina
2011	Order of Merit of the State of Germany
1997-1998	C3 position within a special program to foster excellent women in the Max-Planck society
1997	Nernst Haber Bodenstein award of the German Bunsen Society
1994	Benningsen Foerder Award of North Rhine Westfalia
1992-1996	Lise Meitner stipend of North Rhine Westfalia
1991	Stipend of the Graduate School of the Ruhr University Bochum, Germany "Dynamical processes at solid surfaces: adsorption, reaction, chemical catalysis "

Official Functions:

	Official Functions at the University
2024-2026	Vice president for academic careers, equal opportunities and internationalization, Carl von Ossietzky University, Germany
2018-2023	Ombudsman of Science at the Carl von Ossietzky University, Oldenburg
2014-2015	Acting President of the Carl von Ossietzky University Oldenburg
2011-2012	Advisory board and Stirring committee of the foundation of the new faculty of medicine at the Carl von Ossietzky University Oldenburg
2010-2014, 2015	Vice president for Research and Transfer, Carl von Ossietzky University Oldenburg, Germany
2009-2010	Vice dean of the Faculty of Sciences, Carl von Ossietzky University Oldenburg, Germany
2007	Chair of the selection board of the advisory board of the Carl von Ossietzky University Oldenburg, Germany
2007-2009	Member of the commission for gender and equality of the senate, Carl von Ossietzky University Oldenburg
2006-	Initiator and head of the programme to accept specially gifted pupils at the university (Frühstudierendenprogramm)
2006-2010	Founding director of the Center of Interface Sciences (CIS) of the Universities of Oldenburg, Osnabrück and Bremen
2005-2007, 2009-2011	Member of the Senate of the Carl von Ossietzky University Oldenburg, Germany
2003	Cofounder of the skills lab in chemistry at the Carl von Ossietzky University Oldenburg for young children (6-12 y.)
2003-2005	Member of the Faculty board of the Faculty of Sciences, Carl von Ossietzky University Oldenburg, Germany
2003-2005	Director of the Institute for Pure and Applied Chemistry, Carl von Ossietzky University Oldenburg, Germany
1986-1989	Vice president of the association of scientific researchers at the ETH Zurich, Switzerland

Official Functions in Societies

- 2016-2019 Vice President of the German Chemical Society (GDCh)
2011- Delegate of the German Chemical Society (GDCh) within the physical chemistry division of EuCheMS
2009-2010 Vice president of the commission for gender and diversity of the German Chemical Society (GDCh)
2008-2011 Permanent commission of the German Bunsen Society (DBG)
2004-2007 Teaching commission of the German Bunsen Society (DBG), Chair 2006-2007

Official Functions in Funding Agencies

- 2023-2025 Thematic committee for "Independent green research", Independent Research Fund Denmark
2022- Commission of the Senate for Evaluation of the Leibniz-Gemeinschaft
2015-2020 Commission of the Senate for Strategic Developments of the Leibniz-Gemeinschaft
2013-2015 Senate of the German Science Foundation (DFG)
2011-2013 Member of the Commission "Ombudsman" of the German Science Foundation (DFG)
2013, 2015, 2017, 2019, 2021 Selection Panel for the European Research Council (Consolidator grant)
2008-2013 Selection board of the German Science Foundation (Fachkollegiat der DFG);
International Reviewing of Research:
Reviewing for ERC (Synergy grant) and various programs of Horizon 2020; International Evaluation Panel of the Estonian Science Foundation (ETF); International reviewing organized by ESF, International Evaluation Board of the Spanish Initiative of Excellency (Severo Ochoa, Maria de Maetzu) and further Spanish research programs of excellency (ICREA, LaCaixa Fellowships); Evaluation committee of the Rijksuniversitet Groningen, Netherlands; Selection board of the Chinese participants of the Lindau-Nobel-Laureate meeting; Reviewing for the Humboldt Association, German Science Foundation, Austrian Science Fund (FWF),

Others

- 2021-2023 Chief Editor of the Bunsen-Magazin of the German Bunsen Society for Physical Chemistry
2019- Board member of the International Institute for Peace to foster education in poorer countries
2019-2020 Selection board of the Liebig Münze, highest national Award of the German Chemical Society (GDCh)
2019-2022 Advisory board of the Leibniz-Institute for Surface Modifications (IOM), Leipzig, Germany
2018- Supervisory board of the Helmholtz-Centre Berlin (HZB), Berlin, Germany
2018- Scientific program commission of the local state of Thüringen
2014-2016 Editorial Advisory Board of "*Accounts of Chemical Research* (ACS)"

	<p>2013-2018 Advisory board of the graduate school of excellency GSC 266 "Materials Science in Mainz" (MAINZ), Johannes Gutenberg University Mainz, Mainz</p> <p>2012-2017 Advisory board of the KIT- Center "NanoMikro" for the Karlsruhe Institute of Technology, Karlsruhe</p> <p>2012-2015 Selection board of the Nernst-Haber-Bodenstein Award of the German Bunsen Society (DBG)</p> <p>2010-2014 Advisory board (Kuratorium) of the journal "Nachrichten aus der Chemie"</p> <p>Organizer of several national and international conferences and symposia in the field of catalysis, surface science and nanomaterials.</p>
<p>Research Interests:</p>	<ul style="list-style-type: none"> • Surface science; model (photo)catalysis • Nanophotonics, femtochemistry at surfaces; real time pump-probe nonlinear spectroscopical techniques; energy partitioning in photoinduced surface reactions; • Nanomaterials: nanoparticles, nanotubes and nanofibres; nanostructured surfaces • Novel thin films for optical and electronic applications
<p>Scientific Achievements:</p>	<p>The pioneering work of Al-Shamery allowed to gain a detailed view on elementary processes at heterogeneous catalysts composed of oxidic supports and metal nanoparticle or oxidic cocatalysts crucial for building of a sustainable industry. Besides understanding the importance of surface and bulk defects in the formation of intermediates she recently highlighted the role of spectator molecules to improve the catalytic selectivity and their influence on the metal support interaction. Furthermore, she studied the energy partitioning of photocatalytic reactions as initial steps to produce solar fuels on an ultrafast time scale and emphasized the role of local defects and metal nanoparticle sizes in the molecule-surface interaction and the branching of different reaction path ways in photocatalytic reactions. Besides, she developed organic nanomaterials for light harvesting and wave guiding for possible future light driven optoelectronics.</p>
<p>Nonscientific Engagement:</p>	<p>Professor Dr. Katharina Al-Shamery holds a chair for Physical Chemistry since 1999 at the University of Oldenburg, Germany. Her lifelong interests are focused on enhancing the awareness for equal opportunity and research integrity in various organizations. She is engaged in ethical discussions on how to achieve societal and economic sustainability, global equity and foster scientific excellency and creative thinking of the unthinkable. Within the German National Academy of Science Leopoldina she led a discussion on how to transform universities to modern systems in the digital age of the 21st century with the participation of a number of German university presidents. She is member of the board of directors of the Peace Institute, an international institute to pursue peace through education and leadership initiatives for positive social changes.</p>