

## **Kurths, Jürgen Prof. Dr. rer. nat. habil. Dr. h.c. mult.**

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<b>Gender</b>	male
<b>Institute address</b>	Institute of Physics, Humboldt-Universität zu Berlin (HU) Newtonstr. 15, D-12489 Berlin and Potsdam Institute for Climate Impact Research (PIK) Telegraphenberg A 31, D-14473 Potsdam
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<b>Position and status</b>	Full professor for Nonlinear Dynamics (HU) and Head of Research Department 4 - Complexity Science (PIK)

### **Academic Training & Professional Experience**

1975	Diploma in Mathematics, University of Rostock
1975 – 1983	Scientist, Central Institute for solar-terrestrial Physics, Academy of Sciences, Berlin (East Germany)
1983	Dr.rer.nat. (PhD) at the Academy of Sciences, Berlin, Germany
1984 – 1990	Scientist, Central Institute for Astrophysics, Academy of Sciences, Potsdam (East Germany)
1990 – 1991	Project leader at the Institute for Astrophysics, Potsdam (Germany)
1991	Habilitation: Theoretical Physics, University Rostock, Germany
1992 – 1996	Director of the working group „Nonlinear Dynamics“ of the Max-Planck-Gesellschaft
1994 – 2008	Founding Director of the Interdisciplinary Centre “Dynamics of Complex Systems” at the University Potsdam
1994 – 2008	Full Professor (C4) for Theoretical Physics/Nonlinear Dynamics at the University Potsdam
2009 - 2017	6th Century Chair for Complex Systems Biology (part time), King’s College, University of Aberdeen (UK)
Since 2008	Chair of Research Domain: Complexity Science, Potsdam Institute for Climate Impact Research
Since 2008	Full Professor for Nonlinear Dynamics, Institute of Physics, Humboldt-Universität zu Berlin

### **Other Professional Service Activities**

1998 – 2010	Vice-Speaker Sonderforschungsbereich 555 „Komplexe Nichtlineare Prozesse“ (DFG)
1999 – 2009	President of the Leibniz-Kolleg Potsdam
2000 – 2001	Vice-President for Research and International Relations, at the University Potsdam
2000 – 2005	President of the European Geophysical Union for the Division Nonlinear Processes in Geophysics
2000 – 2008	Coordinator of the Profilbereich “Komplexe Systeme” at the University Potsdam
2001 – 2007	Co-Coordinator of Schwerpunktprogramm 1114 “Time Series Analysis and Image Processing” (DFG)
Since 2001	Organizational Board “Experimental Chaos Conference”
2003 – 2006	Speaker of the Research Group “Conflicting Rules in Cognitive Science” (DFG)
2004 – 2009	Member of the steering committee of the Network of Excellence BIOSIM (EU)
2007 – 2011	Member of the steering committee of GoFORSYS, Centre for Systems Biology, University Potsdam
2010 - 2014	Member of the Advisory Board of Funding Program for World-Leading Innovative R&D on Science and Technology – FIRST (Japan)

2010 - 2016	PI at Bernstein Center for Computational Neuroscience Berlin
2011 – 2020	Speaker of the International Research and Training Group (IRTG 1740): Dynamical and Transport Phenomena on Complex Networks (Germany & Brazil, DFG&FAPESP)
Since 2013	Member of the Scientific Advisory Board of the Max Planck Institute for Physics of Complex Systems, Dresden
Since 2016	Elected Member of the Review Board, German Science Foundation
2016 - 2017	Chairman Physikalische Gesellschaft zu Berlin(PGzB)
2017 - 2020	Co-Chairman Physikalische Gesellschaft zu Berlin(PGzB)
Since 2016	Chapman Professor, University of Alaska Fairbanks
Since 2016	Honorary Professor, Northwestern Polytechnical University, Xi'an (China)
Since 2018	Member of the Scientific Advisory Board of the MPI for Molecular Physiology, Dortmund (Germany)
Since 2018	Member of the International Advisory Board of the Centre for Complex System Science, Huaqiao University, Xiamen (China)
Since 2019	Foreign Director of the Wuhan Int. Joint Laboratory on Optoelectronics (China)
Since 2019	PI of the Megagrant Lympha-Sleep, Saratov State University (Russia)

### **Awards and Nominations**

2000	Fellow of the American Physical Society
2005	Alexander von Humboldt Research Award from CSIR (India)
2008	Honory Doctorate from Lobatschevsky University, Nizhny Novgorod, Russia
2010	Member of the Academia Europaea
2011	Honorary Professor, University Potsdam
2012	Guest Professor, Southeast University, Nanjing
2012	Honorary Doctorate from State University, Saratov
2013	Lewis Fry Richardson Medal of the European Geosciences Union
2015	Burgers Visiting Professor and Burgers Lecture, University of Maryland
2017 -	Highly Cited Researcher (WoS) in Engineering
2017	Honorary Professor, King's College, University of Aberdeen
2018	Honorary Professor, Tianjin University (China)
2018	Honorary Professor, Huaqiao University, Xiamen (China)
2019	Guest Professor, Chinese Academy of Science, Institute of Atmospheric Science

### **Member of Board of Journals and Book Series**

Since 2012	Honory board member of Int. J. Bif.&Chaos
Since 2003	Springer Series of Complexity
Since 2005	Nonlinear Processes in Geophysics, Executive Editor
2008-2013	Philosophical Transaction of the Royal Society A: Math., Phys. & Engin. Sciences
Since 2009	European Physical Journal, Special Topics
Since 2011	PLoS ONE
Since 2012	European Physical Journal, Nonlinear Biomedical Physics
Since 2015	Europhysics Letters
Since 2016	CHAOS, Editor-in-Chief
Since 2017	AIMS Geosciences
Since 2017	Advanced Theory and Simulations
Since 2018	Frontiers in Physics: Social Physics - Associate Editor
Since 2020	Nonlinear Dynamics - Topical Associate Editor
Since 2020	Journal of Physics: Complexity - Member Senior Advisory Panel
Since 2020	Journal Electronics - Editorial Board