

## **Johanna Stachel**

Physikalisches Institut der  
Universität Heidelberg  
Im Neuenheimer Feld 226  
D 69120 Heidelberg

- Born: München, Germany  
Date: December 3, 1954
- Education:  
Diplom, Johannes-Gutenberg-Universität Mainz, Germany, June 1978  
Ph.D. rer. nat., Johannes-Gutenberg-Universität Mainz, Germany, June 1982 (summa cum laude)
- Professional Experience:  
Research Associate, Institute of Nuclear Chemistry, Johannes-Gutenberg-Universität Mainz, Germany, 1979-1983  
Research Associate, Nuclear Structure Laboratory, SUNY at Stony Brook, April 1983 - August 1984  
Visiting Assistant Professor, Dept. of Physics, SUNY at Stony Brook, September 1984 - August 1985  
Assistant Professor, Dept. of Physics SUNY at Stony Brook, September 1985 - August 1989  
Associate Professor, Dept. of Physics SUNY at Stony Brook, September 1989 - March 1994  
Professor, Dept. of Physics SUNY at Stony Brook, March 1994 - January 1996  
Professor, Faculty of Physics and Astronomy, Univ. Heidelberg, January 1996 - September 2024  
Senior Professor *Distincta*, Faculty of Physics and Astronomy, Univ. Heidelberg, since October 2024  
Dean of the Faculty of Physics and Astronomy, Univ. Heidelberg, October 2003 - 2005  
Vice-Dean of the Faculty of Physics and Astronomy, Univ. Heidelberg, October 2005 - September 2012  
Spokesperson, CERN SPS Experiment NA45/CERES, 1997-2005  
Supervisory Editor, Nucl. Phys. A, 1997 - 2012  
Project Leader, ALICE Transition Radiation Detector, 2000 - September 2024  
Deputy Project Leader, ALICE Transition Radiation Detector, since October 2024  
Member ALICE Management Board, 2000 - 2024  
Spokesperson, BMBF Forschungsschwerpunkt ALICE at LHC, 2006 - 2019  
President, Deutsche Physikalische Gesellschaft, April 2012 - April 2014  
Vicepresident, Deutsche Physikalische Gesellschaft, April 2014 - April 2016  
Deputy Speaker, SFB1225 ISOQUANT, 2016 - 2024

- Current Research Interests:
  - Collisions of nuclei at ultrarelativistic energies, Quark-Gluon Plasma, ALICE experiment at CERN LHC
  - Phenomenology of high energy nuclear collisions
  - Detectors for particle physics experiments
- Publications:
  - more than 700 scientific publications,
  - more than 200 talks at int. workshops and conferences
  - more than 130 seminars and colloquia
- Fellowships and Awards:
  - Fellowship of the Studienstiftung des Deutschen Volkes, 1975-1982
  - Preis der Johannes-Gutenberg-Universität, for best Ph.D. Thesis of the year 1982
  - Feodor-Lynen-Fellowship of the Alexander-Von-Humboldt-Stiftung, 1983-1985
  - Alfred P. Sloan Fellowship, February 1986
  - Presidential Young Investigator Award, March 1988
  - Fellow of the American Physical Society, 1997
  - Member, Berlin-Brandenburgische Akademie der Wissenschaft, 1998
  - German Bundesverdienstkreuz, May 1999.
  - Lautenschläger-Forschungspreis der Universität Heidelberg, September 2001.
  - Member, Academia Europaea, 2012.
  - Lise Meitner Prize of the European Physical Society, 2014.
  - Ehrenmitglied Physikalischer Verein Frankfurt, 2014.
  - Member, Heidelberger Akademie der Wissenschaften, 2015.
  - Member, Nationale Akademie der Wissenschaften Leopoldina, 2015.
  - Stern-Gerlach Medaille der Deutschen Physikalischen Gesellschaft, 2019.
  - Chinese Academy of Sciences PIFI Distinguished Scientist Award, 2021
  - German Bundesverdienstkreuz 1. Klasse, August 2021
  - Member, American Academy of Arts and Sciences, 2022
- Committees:
  - Member, APS Division of Nuclear Physics Program Committee, 1991 - 1993
  - Member, Program Initiation Group for Nuclear and Particle Physics, National Research Council
  - Member, Nuclear Science Advisory Committee, September 1992 - August 1995
  - Member, Board on Physics and Astronomy, National Research Council, 1993 - 1996

Member, AUI Visiting Committee for Brookhaven Nat. Lab. Physics, Lightsource, AGS, RHIC, Reactor, Instrumentation, Accelerator Development, 1994 - 1997

Member and Vicechair, Experimentausschuß GSI, 1995-2000, chair 1999 - 2000

Cochair NuPECC working group Nucleus-Nucleus Collisions and the Phase Transitions of Nuclear Matter, 1996-1998

Working Groups on Long-Term Perspectives of GSI, Member of working group “Nuclear Collisions at Maximum Baryon Density”, February 1996.

Member Gutachterausschuss “Komplexe Systeme der Kern- und Teilchenphysik” of the German BMBF, 1996 - 2002.

Member, CERN SPS Committee, 1996 - 1999.

Member, NIKHEF Scientific Advisory Committee, 1999 - 2003, chair 2001.

Member, DESY Wissenschaftlicher Rat, 1999-2001.

Member, Dean’s Advisory Committee for the LNS, MIT, 1999-2004.

Member, Review Panel of the Norwegian Research Council for CERN physics in Norway, 1999 - 2003.

Member, Committee for DPG Denkschrift z. Jahr der Physik 2000.

Member, Scientific Policy Committee of the CERN Council, 2000 - 2005.

Member, Selection Committee Studienstiftung des Deutschen Volkes, 1996-2003.

Member, Jury for Erwin-Schrödinger-Preis, 2004-2006.

Member, Jury for the Landesforschungspreis Baden-Württemberg 2004-2008.

Member, Scientific Advisory Board of the Wilhelm und Else Heraeus Stiftung, since 2006.

Member, Scientific Advisory Board Helsinki Institute of Physics, 2007-2012.

Member, Scientific Review Committee DAPNIA, CEA, Saclay, 2007-2009.

Member, Scientific Advisory Board, Frankfurt Institute of Advanced Studies, 2007-2012.

Member and Chair of the Universitätskommission, 2007-2009.

Member Search Committee Indefinite Scientific Staff Positions CERN, 2008-2011.

Member EMMI Scientific Council (EMMI Steering Committee since 2016), since 2008.

Member Universitätsrat Heidelberg, 2009 - 2018; deputy chair 2016-2018.

Member Gründungsaufsichtsrat and Aufsichtsrat KIT, 2009-2015.

Vertrauenswissenschaftlerin Alexander-von-Humboldt-Stiftung, since 2009.

Berichterstatterin Forschungsfeldevaluation der Max-Planck-Gesellschaft 2011/2012.

Member, ERC Advanced Grant Panel, 2011-2013.

Member, Scientific Advisory Board, ECT\* Trento, Italy, 2013-2016.

Member, Vorstandsrat Deutsche Physikalische Gesellschaft, since 2016.

International council member, Council of the American Physical Society, 2016-2019.

Member, Universitätsrat der TU Wien, since 2018,  
Deputy chair since 2023.

Member, Committee 'Vision of the future of GANIL', 2020-2021.

Member, Editorial Board 'Annual Reviews of Nuclear and Particle Science', since 2021.

Speaker Klasse 1: Mathematik, Natur- und Technikwissenstaften, Leopoldina, since March 2024