

Curriculum Vitae

Prof. Dr. Christoph Stampfer
RWTH Aachen University
& Forschungszentrum Jülich GmbH



Personal and Professional Information

Date of birth	May 24, 1977 (Age 45)	
Nationality	Italian	
Marital status	Married, father of two	
Position	Full Professor (W3) and Head of the 2 nd Institute of Physics A at RWTH Aachen University	
Professional address	RWTH Aachen University 2nd Institute of Physics A, Campus Melaten Otto-Blumenthal-Str. 18 52074 Aachen, Germany	Forschungszentrum Jülich GmbH Peter Grünberg Institute (PGI-9) 52425 Jülich, Germany
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Professional Experience

2021 – present	Fachgruppensprecher, Spokesperson of the Physics Department at RWTH Aachen University
2020 – present	Scientific Director of Jülich-Aachen Research Alliance - Future Information Technologies (JARA-FIT)
2017 – 2021	Spokesperson of the <i>Aachen Graphene & 2D-Materials Center</i> ¹
2013 – present	Full Professor (W3) and Head of the 2 nd Institute of Physics A at RWTH Aachen University
2009 – 2013	JARA-FIT Junior-Professor (W1) at RWTH Aachen University and Forschungszentrum Jülich
2009 – present	Senior Scientist at Forschungszentrum Jülich GmbH
2007 – 2009	Senior Scientist (Postdoc), Department of Physics, ETH Zurich
2003 – 2007	Research assistant, Department of Mechanical & Process Engineering, ETH Zurich

Education

2003 – 2007	PhD with distinction in Mechanical and Process Engineering (Micro and Nanosystems group; Prof. C. Hierold), ETH Zurich. Thesis: "Electromechanical Transducers based on Single-Walled Carbon Nanotubes"
2002 – 2003	Diploma Thesis (M.Sc. equivalent) with distinction in Technical Physics (Institute of Theoretical Physics; Prof. J. Burgdörfer), Technical University Vienna
2000 – 2001	B.Sc. (Hons) in Applied Physics with Computing, Napier University, Edinburgh
1996 – 2002	Studies of Physics at the Technical University Vienna
1996 – 2000	Vordiplom (B.Sc. equivalent) with distinction in Electrical Engineering, Technical University Vienna

Publications

Over 210 publications	This includes publications in Nature (1), Nature Physics (1), Nature Nanotechnology (1), Phys. Rev. Lett. / Phys. Rev. X (8), Nature Communications (11), Science Advances (1), Nano Letters / ACS Nano (25), Applied Physics Letters (22), Phys. Rev. B/E (27), 2D Materials (9)
Google Scholar:	h-index 57, # of citations >16,600 (Google Scholar Link)
Web of Science:	h-index 49, # of citations >11,100 (Web of Science Link)
	Average citations per article > 51

[Download: Full Publication List](#)

Invited Talks, Seminars and Colloquia

Over **100 invited talks at international conferences and workshops** (including several thematic schools). In addition, over **70 invited departmental seminars and colloquia** in Europe and around the world as well as industrial colloquia.

[Download: Full Talk List](#)

Awards – Academy Membership

2023	DPG Georg-Kerschensteiner Award
2020	Ars legendi-Fakultätenpreis 2020 Mathematik und Naturwissenschaften
2019	Wilhelm-Westphal Teaching Award
2019	<i>Archimedes Preis</i> 2019 for phyphox from the “Bundesverband MNU“
2018	ERC Consolidator Grant “2D4QT”
2018	<i>Lehrpreis Physik 2018</i> of Faculty 1 at the RWTH Aachen University
2014 – 2015	Honored Member of the “Young Scientist” Community by the World Economic Forum (WEF)
2012 – 2013	Elected member of the “Junges Kolleg” of the North Rhine-Westphalia Academy of Sciences and Arts
2011	ERC Starting Grant "GQEMS"
2008	ETH Medal

Organization of Conferences

2023	Member of the International Program Committee of 36th <i>International Conference on the Physics of Semiconductors</i> (ICPS 2024) in Ottawa (Canada)
2023	Co-organizer of the summer school on " <i>Advanced physics of van der Waals hetero-structures (HOWDI)</i> " in Roscoff (Brittany, France)
2023	Co-organizer of the Minicolloquia on " <i>Graphene Qubits</i> " at the CMD30 (Condensed Matter Division of the EPS) FisMat 2023 in Milano (Italy)
2023	Member of the Program Committee of the <i>Quantum2023</i> in Madrid (Spain)
2023	Program Co-Chair of the 6th Graphene Flagship Japan-EU Workshop on graphene and related 2D materials (Japan)
2023	Co-organizer of the plenary symposium on “Physics of van der Waals 2D Heterostructures” at the DPG March Meeting in Dresden (Germany)
2023	Co-organizer of the IWEPM 2023 (Kirchberg, Austria)
2022	Focus Session on “Superconductivity in 2D-Materials and their Heterostructures” at the DPG “March Meeting” in Regensburg (Germany)
2022	Co-chairperson of the scientific committee of the “ <i>Graphene2022</i> ” in Aachen (Germany)
2021	Program Co-Chair of the 6th Graphene Flagship Japan-EU Workshop on Graphene and Related 2D Materials (online)
2020	Co-organizer of the IWEPM 2020 (Kirchberg, Austria)
2019	Co-chair of the Graphene Flagship Japan-EU Workshop 2019 Graphene and related 2D materials in Pisa (Italy)
2019	Co-organizer of the IWEPM 2019 (Kirchberg, Austria)
2019	Co-organizer of the plenary symposium on “Interactions and Spins in 2D Heterostructures” at the DPG March Meeting in Regensburg (Germany)
2018	Co-organizer of the IWEPM 2018 (Kirchberg, Austria)
2017	Member of the Program Committee of the IWEPM 2017 (Kirchberg, Austria)
2016	Co-organizer of the JARA-FIT Science Days (Schleiden, Germany)
2016	Member of the Program Committee of the IWEPM (Kirchberg, Austria)
2015	Member of the Program Committee of the IWEPM (Kirchberg, Austria)
2014	Co-organizer of the JARA-FIT Science Days (Schleiden, Germany)
2014	Member of the Program Committee of the IWEPM 2014 (Kirchberg, Austria)
2014	Co-organizer of the 2nd Spinograph School and VITI School (Aachen, Germany)
2014	Organization of the Profile-Area MatSE “Graphene-Workshop” (Aachen, Germany)
2013	Member of the Program Committee of the IWEPM (Kirchberg, Austria)
2013	Member of the Program Committee of the International 8th IEEE NEMS 2013 Conference, Suzhou (China)
2012	Member of the Program Committee of the IWEPM (Kirchberg, Austria)
2012	Member of the Program Committee of the European Condensed Matter Conference CMD-24 (Edinburgh, UK)
2011	Member of the Program Committee of the IWEPM (Kirchberg, Austria)

- 2011** Member of the Program Committee of the International 2011 IEEE NEMS Conference, Kaoshiung (Taiwan)
- 2010** Co-organizer of the WE-Heraeus International Seminar on "*Graphene Electronics – Material, Physics and Devices*" (Bad Honnef, Germany)
- 2010** Organizer of the *Carbon Nanoelectronic* session at the JARA-FIT Nanoelectronic Days 2010 (Schleiden, Germany)

University Teaching

- 2023** Coordinator and lecturer of the course "Physics of Graphene and 2D Materials", RWTH Aachen University (30-40 students)
- 2022** Coordinator and lecturer of the course "Einführung in die Festkörperphysik" (Introduction to Solid State Physics) / Experimentalphysik Va", RWTH Aachen University (~250 students)
- 2022** Coordinator and lecturer of the course "Physics of Graphene and 2D Materials", RWTH Aachen University (15-25 students)
- 2022** Lecturer of the course "Condensed Matter Physics II", RWTH Aachen University (70-85 students)
- 2021** Coordinator and lecturer of the course "Physics of Graphene and 2D Materials", RWTH Aachen University (30-40 students)
- 2020** Coordinator and lecturer of the course "Einführung in die Festkörperphysik" (Introduction to Solid State Physics) / Experimentalphysik Va", RWTH Aachen University (~250 students)
- 2020** Coordinator and lecturer of the course "Experimental Physics II (Thermodynamics and Electromagnetism)", RWTH Aachen University (~300 students)
- 2019** Coordinator and lecturer of the course "Experimental Physics I (Mechanics and Relativity)", RWTH Aachen University (~350 students)
- 2018** Coordinator and lecturer of the course "Einführung in die Festkörperphysik" (Introduction to Solid State Physics) / Experimentalphysik Va", RWTH Aachen University (~220 students)
- 2018** Coordinator and lecturer of the course "Physics of Graphene and 2D Materials", RWTH Aachen University (20-30 students)
- 2018** Lecturer of the course "Condensed Matter Physics II", RWTH Aachen University (70-85 students)
- 2017** Coordinator and lecturer of the course "Experimental Physics II (Thermodynamics and Electromagnetism)", RWTH Aachen University (~300 students)
- 2016** Coordinator and lecturer of the course "Experimental Physics I (Mechanics and Relativity)", RWTH Aachen University (~350 students)
- 2016** Coordinator and lecturer of the course "Physics of Graphene and 2D Materials", RWTH Aachen University (30-40 students)
- 2016** Lecturer of the course "Condensed Matter Physics II", RWTH Aachen University (70-85 students)
- 2015** Coordinator and lecturer of the course "Einführung in die Festkörperphysik" (Introduction to Solid State Physics) / Experimentalphysik Va", RWTH Aachen University (~250 students)
- 2014** Co-coordinator and lecturer of the course "Physics of Nanostructures", RWTH Aachen University (30-35 students)
- 2014** Coordinator and lecturer of the course "Einführung in die Festkörperphysik" (Introduction to Solid State Physics) / Experimentalphysik Va", RWTH Aachen University (~250 students)
- 2014** Lecturer of the course "Condensed Matter Physics II", RWTH Aachen University (70-80 students)
- 2013** Coordinator and lecturer of the course "Carbon Nanoelectronics", RWTH Aachen University (40-30 students)
- 2013** Co-coordinator and lecturer of the course "Physics of Nanostructures", RWTH Aachen University (30-35 students)
- 2012** Coordinator and lecturer of the course "Carbon Nanoelectronics", RWTH Aachen University (40-30 students)
- 2011** Coordinator and lecturer of the course "Quantum Electromechanical Systems", RWTH Aachen University (20-25 students)
- 2010** Coordinator and lecturer of the course "Carbon Nanoelectronics", RWTH Aachen University (40-50 students)
- 2009** Coordinator and lecturer of the course "Carbon Nanoelectronics", RWTH Aachen University (20-30 students)

Support of Young Researchers

- 2010 – present** RWTH Aachen University: 13 PhD students have finished their thesis in my group (2 are close to defend). 3 Postdocs left my group as Assistant Professors. 1 RWTH-JPI (Junior-Principal Investigator), 4 Post-docs and 12 PhD Students are currently working in my research team.
- 2010 – present** Member of the defence committee of more than 40 PhD students.
- 2005 – 2009** ETH Zurich: I co-supervised 2 PhD students with Prof. K. Ensslin (Physics Department) and 1 PhD student with Prof. C. Hierold (Engineering Department).

Other Activities

Between 2010 and 2022, Stampfer has managed more than 18 research and dissemination grants awarded by different national and international funding agencies (EU, DFG, State of North Rhine-Westphalia, Hans Herrmann Voss Foundation and others).

- 2021 – present** Member of the Steering Committee of the RWTH Profile Area Materials Science and Engineering (MatSE) at RWTH Aachen University
- 2018 – present** Member of the Steering Committee of the DFG funded SPP2244 on “2D Materials – Physics of van der Waals [hetero]structures”
- 2018 – 2023** Board member of Physik Journal
- 2017 – present** Founding member of the *Aachen Graphene & 2D-Materials Center*¹
- 2017 – 2021** “Hausherr der Physik” at the Physics Department at the RWTH Aachen
- 2016 – present** Idea, concept and coordination of the project *phyphox*², an educational app that allows using the sensors integrated in any smartphone for performing physics experiments (>5.500.000 installations worldwide). 45 international ambassadors
- 2016 – 2022** Promoter of an International Standard (IEC/ISO) for Graphene: IEC TS 62607-6-6: Nanomanufacturing - Key control characteristics - Part 6-6: Graphene - Uniformity of strain in graphene analyzed by Raman spectroscopy
- 2014 – 2016** Expert advisor for Nature Index (Physical Sciences Panel)
- 2013 – present** Co-organizer of the annual series of the public “November Vorlesungen” in Aachen
- 2013 – present** Member of the Physics Colloquium committee at the RWTH Aachen University
- 2013 – 2021** Representative of RWTH Aachen University at the WTR (Scientific and Technical Council) of the Forschungszentrum Jülich GmbH
- 2012 – present** Regular reviewer for funding agencies, including DFG, FOM, ERC
- 2010** Mentor of the two winners of the German "Jugend Forscht" program
- 2008 – present** Regular reviewer for 14 different journals, including Science, Nature, Nature Physics, Nature Nanotechnology, Nano Letters, Physical Review Letters and more

Memberships and International and National Collaborations

German Physical Society, Deutsche Physikalische Gesellschaft (DPG)
American Physical Society (APS)
IEEE (Institute of Electrical and Electronics Engineers)
Member of the EU Graphene Flagship, contributing to four different work packages
Member of the Excellence Cluster “Matter and Light for Quantum Computing” (ML4Q)

¹ For more information on the *Aachen Graphene & 2D-Materials Centre*, please visit www.graphene.ac

² For more information on *phyphox*, please visit phyphox.org.