

Prof. Dr. Christoph RENNER

Personal information

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Married; Two children; Swiss citizen
ResearcherID: B-6140-2013
ORCID: 0000-0001-9882-681X

Education

2003, 2004 London Business School, Technology transfer training, London (UK).
1993 PhD in Physics - with special honours. University of Geneva, Geneva (CH).
1988 MSc in Physics - with honours. University of Geneva, Geneva (CH).

Employment history

As of Oct.2006 Full Professor – University of Geneva, Geneva (CH). Dept. of Quantum Matter Physics
May 2003 - Aug.2006 Business Fellow – London Technology Network, London (UK).
Oct.2004 - Jan.2007 Principal Research Fellow – University College London, London(UK). London Centre for Nanotechnology, Dept. of Physics and Astronomy, and Dept. of Medicine (honorary).
Oct.2002 - Sep.2004 Senior Research Fellow – *ibid*.
Feb.1999 - Dec.2002 Visiting Scientist – NEC Research Institute, Princeton (USA).
Jul.1993 - Jan.1999 Postdoctoral research and teaching assistant – University of Geneva, Geneva (CH).

Institutional responsibilities (since 2007)

As of Nov.2019 Board member – Science Innovation Hub, Faculty of Science, UNIGE (www.unige.ch/sih).
As of July 2014 Vice-Dean for Innovation and Infrastructure – Faculty of Science, UNIGE.
As of Feb.2014 President – LTA, UNIGE – HES-SO hepia (www.lta-geneve.ch).
Jan.2014 - Jul.2025 Deputy Director – DQMP, UNIGE (dqmp.unige.ch).
Mar.2014 - Sep.2022 President – Scienscope, UNIGE (scienscope.unige.ch).
June 2013 - Aug.2017 President, founding member – MaNEP Switzerland Network.
Feb.2013 - Dec.2013 Director – NCCR MaNEP.
May 2012 - Jul.2014 President – Physics Section Council, UNIGE.
Jul.2011 - Jul.2014 Vice-President – Physics Section, UNIGE.
July 2007 - Jan.2013 Deputy Director – NCCR MaNEP.
July 2007 - Nov.2017 Director – Physiscope, UNIGE (scienscope.unige.ch/physiscope).

Approved research projects (since 2007, see <http://orcid.org/0000-0001-9882-681X>)

2024-28 Tunable electronic structure of exfoliated 2D crystals, PI, 951'995.-
2018-22 Electron matter in correlated electron systems, PI, 1'022'000.-
2015-18 Electron matter in unconventional layered superconductors, PI, 751'114.-
2014-17 Electronic properties of new atomically thin semiconductors, co-PI (Sinergia), 1'164'186.-
2014-15 Transport properties and electronic structure of one-dimensional electronic systems, PI, 175'000.-
2014-15 Stellarium Gornergrat, phase 2, co-PI (Agora), 80'000.-
2012-15 Ordered electronic phases in low dimensional superconductors, PI, 220'200.-
2012-14 Stellarium Gornergrat, phase 1, co-PI (Agora), 164'608.-
2011-14 Electronic, magnetic and transport properties of one-dimensional systems, PI, 495'796.-
2011 Scanning probe microscopy and spectroscopy of nanoscale materials and devices, PI (R'EQUIP), 330'000.-
2010-13 Nanotechnologies et Nanosystèmes (P2N 2010) : projet PIGE, ANR (F)
2009-13 National Centre for Competence in Research MaNEP, phase 3, co-PI (NCCR), 12'985'653.-
2008-11 Local electronic and magnetic properties of metal atomic chains, PI, 565'786.-
2007 Scanning Mott Microscopy to map the spin texture of manganites, PI (R'EQUIP), 350'000.-
2007-10 Nanosciences, Nanotechnologies : projet MEMSH, ANR (F)
2007-21 Numerous successful funding applications to private foundations (CH)

Supervision of junior researchers (since 2007)

Postdoctoral students:

Vishwakarma Aishwarya	1.03.2026 -
Pushkarna Ishita	1.12.2025 -
Ørsted Andreas	1.08.2025 -
Taskin Mert	1.12.2024 -
Singar Tejas	1.09.2024 -
Lihuan Sun	1.09.2019 - 31.08.2024
Pásztor Árpád	1.12.2018 - 30.11.2021
Gazdic Tim	1.10.2015 - 31.12.2020
Spera Marcello	1.05.2019 - 30.06.2019
Villarreal Renan	1.07.2017 - 30.09.2017
Castro José Martinez	1.08.2016 - 31.10.2018
Novello Anna Maria	1.10.2015 - 29.02.2016
Jenkins Nathan	1.12.2014 - 30.06.2015
Bruér Jens	1.12.2014 - 28.02.2015
Bianco François	1.05.2013 - 31.08.2013
Scarfato Alessandro	1.04.2012 - 31.03.2015
Longobardi Maria	1.11.2011 - 31.08.2015
Iacovita Cristian	1.02.2011 - 31.01.2012
Köster Sigrun	1.11.2008 - 31.03.2012
Mazur Daniel	1.08.2007 - 31.12.2010
Owen James	1.06.2007 - 30.09.2010

Master Students:

Chtourou Rayan	2021
Waelchli Adrien	2016
Rouiller Léonard	2014
Nectoux Nabil	2010

PhD students:

Verma Anshuman	1.08.2024 -
Pushkarna Ishita	1.12.2020 - 30.11.2025
Ørsted Andreas	1.11.2020 - 31.07.2025
Singar Tejas P.	1.09.2019 - 31.07.2024
Pasquier Vincent	1.11.2016 - 31.12.2022
Gazdic Tim	1.11.2015 - 30.09.2020
Spera Marcello	1.09.2014 - 30.04.2019
Pásztor Árpád	1.02.2014 - 30.11.2018
Amundsen Thomas	1.09.2013 - 30.11.2016
Bruér Jens	1.09.2013 - 30.11.2014
Villarreal Renan	1.09.2012 - 30.06.2017
Novello Anna-Maria	1.10.2010 - 30.09.2015
Bianco François	1.09.2008 - 30.04.2013

Teaching activities

General physics (bachelor, 112h/y) 2007-2013; Mécanique 1 (bachelor, 70h/y) 2014-2015, (28h/y) 2016- ; Physique d'aujourd'hui (2h/y) 2009-2013; GISP (2h/y) 2010-2011.

Memberships in panels, boards, etc., and individual scientific reviewing activities

2019, 2015 **DFG Review panel**, Collaborative Research Centre, Würzburg (D); 2012 **AERES**, Comité d'évaluation du laboratoire LPEM, Paris (F); **Hiring panels** (president, rapporteur, member); **Referee** for funding agencies: AERES, ERC, EPSRC (UK), ANR (F), CNRS (F), FOM (NL), DOE (US), Natural sciences and engineering research council of Canada, DFG (D), CCMX (CH) and more; **Referee** for: Nature, Science, APS journals (PRL, PRX, PRB, ...), IOP journals (Journal of Physics : condensed matter, Journal of Physics D : applied physics, Nanotechnology), AIP journals (Applied physics letters), Europhysics Letters, etc.

Active memberships in scientific societies, fellowships in renowned academies

SPS, APS, MaNEP Switzerland Network (www.manep.ch – founding president 2013-2017).

Conferences – organization and boards

Conference Chair: SWM 2016, 2013; **Organizing Committee Chair**: SWM 2011, 2009; **Scientific Committee**: Superstripes 2024, 2025, 2026; **Programme committee**: SWM 2018, 2016, 2013, 2011, 2009; SPS session 2012; LEES 2010; **Intl. Advisory Committee**: LT30 2025; **Advisory board**: Superstripes 2013.

Prizes, awards, honors

2024, 2020 Médailles de l'innovation, Geneva; **2020** IOP Trusted Reviewer Status; **2017** APS Physics Highlight of the Year; **2009** UniGAP Award, Geneva; **2007** Honorary professor University College London, London (UK), LCN, and Dept. of Physics and Astronomy; **1998** IBM Award of the Swiss Physical Society; **1994** Jean Wurth Award for best PhD Thesis, Geneva.

Publications (dqmp.unige.ch/renner/publications/)

96 scientific publications, citations WoS (Google Scholar): 5921 (8828), h-index: 35 (39)
73 invited conferences and colloquia since 2009.