

Curriculum Vitae: Prof. Dr. Jonathan Home

1 Personal data

Prof. Dr. Jonathan Home
Date of birth: 27/10/1979
Nationality: Great Britain and Northern
Ireland
Civil status: Married to Yuki Iida
Children: Edward Home, Richard Home
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Institute of Quantum Electronics,
Department of Physics,
ETH Zürich,
Otto-Stern Weg 1, HPF E8,
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2 Professional experience

- Associate Professor of Experimental Quantum Information (2017–present)
ETH Zürich, Switzerland
- Assistant Professor of Quantum Optics and Photonics (2010–2017)
(tenure track), ETH Zürich, Switzerland
- Guest Professor (2013–present), In association with SAOT prize (see below)
Friedrich-Alexander University of Erlangen-Nuremberg
- Post-doctoral position (2007–2010), Principal Investigator: Dr D. J. Wineland
National Institute of Standards and Technology, Boulder, USA.
- Lindemann Fellowship of the English Speaking Union (2006–2007)
(taken up at NIST, Boulder in the group of Dr. D. J. Wineland)
- Post-doctoral position (2005–2006), Principal Investigator: Prof. A. M. Steane
University of Oxford, UK

3 Education

- DPhil - completed 17/10/2006, Department of Physics, University of Oxford, UK.
Supervisor: Prof. A. M. Steane
- MPhys Physics (1st Class, 2002), Department of Physics, University of Oxford, UK

4 Prizes and awards

- Latsis Prize of the ETH Zürich (2016)
- APS Outstanding Referee (2016)
- SNF Consolidator Grant (2015), Swiss ERC replacement program: 2 mCHF.
- TED Fellowship (2015)
Awarded to 40 young “amazing change-makers” per year across all disciplines.

- 2013 Young Researcher Award of the School in Advanced Optical Technologies (SAOT) Friedrich-Alexander University of Erlangen-Nuremberg, 100 kEUR
- Lindemann Fellowship, English Speaking Union, London (2006)

5 Research Output

- 37 journal papers, including Nature (3 papers), Science (2), Phys. Rev. Lett. (8), Phys. Rev. X (2), Nat. Phys (1), Nat. Comm. (2)
- >50 invited talks at international institutions
- >40 invited talks at international conferences

6 Services to the academic community

6.1 Refereeing and examining

- Referee for Science, Nature, Nature Physics, Physical Review Letters, Physical Review X, Physical Review A, Review of Modern Physics, New Journal of Physics, Applied Physics B, Optics Letters, European Physical Journal.
- Referee of proposals for the Swiss National Fund (2013), ERC (2015), Danish Research Council (2013), Deutsche Forschungsgemeinschaft (2013, 2014, 2015), South African Research Council (2013), Austrian Academy of Sciences (2011)
- PhD and Habilitation examiner, ETH Zürich (2011, 2015), University of Innsbruck (2011, 2013, 2015), ICFO Barcelona (2014), University of Saarbrücken (2014), University of Copenhagen (2015)

6.2 Organization

1. Head of the Institute for Quantum Electronics, ETH Zürich (2017-present)
2. Co-organizer, 2016 European Conference on Trapped Ions Arosa, Switzerland
3. Organizing committee, Fourth meeting on “*Quantum Science*”, Monte-Verita, Ascona, Switzerland
4. Organizing committee QIPC (Quantum Information Processing and Control) 2011, Zürich

7 Outreach and media

- 2017 World Economic Forum Ideas Lab. Annual Meeting of the New Champions
- 2016 BBC Click interview
- 2015 Interview featured on TED.com Ideas Blog
- 2015 “Schrödingers Kätzchen wächst”, Spektrum der Wissenschaft
- 2015 Talk at TED conference, Vancouver