

Curriculum Vitae

Klaus Ensslin

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Education

May 83	Vordiplom (Bachelors), University of Munich, Germany
April 86	Diploma in physics (Masters), Eidgenössische Technische Hochschule, ETH-Zürich, Switzerland
January 89	Ph. D. in physics at Max-Planck Institute for solid state research, Stuttgart, Germany
January 1995	Habilitation and Privatdozent at the Physics Department of the University of Munich, Germany

Employment

June 86- Feb. 89	Ph. D. student at Max-Planck-Institut for solid state research, Stuttgart, Germany
March 89 - March 91	Postdoc at the University of California in Santa Barbara
April 91 -Sept. 95	University Assistant at the Physics Department of the University of Munich, Germany
since October 1995	Professor of Physics at ETH Zurich, Switzerland
Since 2011	Director of National Center for Competence in Research on "Quantum Science and Technology"

Honors

1994	Hess-prize of the German Science Foundation (DFG) for young researchers
1995	Prize for outstanding habilitation thesis, University of Munich
2008	Plenary lecture at the International Conference on the Physics of Semiconductors, Rio de Janeiro, Brazil
2009	Fellow of the American Physical Society
2010	Golden Tricycle, award for family friendly group management at ETH Zurich

Membership

American Physical Society, German Physical Society, Swiss Physical Society, European Physical Society

Service

Since 2002	Founding member of FIRST-lab, the ETH Zurich micro and nanoscience center
2003-2007	Coordinator responsible for the operation of FIRST-lab
2003-2006	Initiator and spokesperson of the center for „Quantum systems for information technology“ at ETH Zurich
1999-2007	Member of the scientific advisory board of the Paul Drude Institute, Berlin
2002-2007	Member of the research commission of ETH Zurich
2008-2010	Initiator and spokesperson of the center for „Quantum science and technology“ at ETH Zurich
2008-2011	Member of the National Research Council of Switzerland
2007 - 2012	Divisional Associate Editor, Physical Review Letters
2004-2009	Member of the board, platform for micro and nanoscience at ETH Zurich
2004-2009	Member of the board, materials research center at ETH Zurich
2004-2010	Initiator and spokesperson of the center for „Quantum science and technology“ at ETH Zurich
2000-2006	Head of the laboratory for solid state physics at ETH Zurich
1998-2008	Member of the advisory committee for a research program of nanoelectronics of the German Ministry for Science and Education (BmBF)
Since 1997	Member of the Stiftungsrat der Eidg. Stiftung zur Förderung Schweizerischer Volkswirtschaft durch wissenschaftliche Forschung
Since 2004	Delegate of the president of ETH Zurich for hiring commissions of new professors
Since 2004	Member of the board of editors, Solid State Communication
Since 2008	Member of the IUPAP commission (C8, semiconductors)
Since 2011	Director of the National Center of Competence in Research (NCCR) on “Quantum Science and Technology”
Since 2011	Member of the Scientific Advisory Committee of the Center for Functional Nanostructures (CFN), Karlsruhe, Germany
2012	Chairperson of the International Conference on the Physics of Semiconductors, Zurich, Switzerland, July 29- Aug 3, 2012



Klaus Ensslin

Professor of Physics,
ETH Zurich

physics
nanostructures
quantum technology

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TITLE	CITED BY	YEAR
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Energy spectra of quantum rings A Fuhrer, S Lüscher, T Ihn, T Heinzel, K Ensslin, W Wegscheider, ... arXiv preprint cond-mat/0109113	493	2001
The fermionic hanbury brown and twiss experiment M Henny, S Oberholzer, C Strunk, T Heinzel, K Ensslin, M Holland, ... Science 284 (5412), 296-298	452	1999
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Electrical control of spin coherence in semiconductor nanostructures G Salis, Y Kato, K Ensslin, DC Driscoll, AC Gossard, DD Awschalom Nature 414 (6864), 619-622	362	2001
Intersubband electroluminescence from silicon-based quantum cascade structures G Dehlinger, L Diehl, U Gennser, H Sigg, J Faist, K Ensslin, ... Science 290 (5500), 2277-2280	338	2000
Tunable graphene single electron transistor C Stampfer, E Schurtenberger, F Molitor, J Güttinger, T Ihn, K Ensslin arXiv preprint arXiv:0806.1475	329	2008
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Franck-Condon blockade in suspended carbon nanotube quantum dots R Leturcq, C Stampfer, K Inderbitzin, L Durrer, C Hierold, E Mariani, ... arXiv preprint arXiv:0812.3826	252	2008

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In-plane gates and nanostructures fabricated by direct oxidation of semiconductor heterostructures with an atomic force microscope R Held, T Vancura, T Heinzel, K Ensslin, M Holland, W Wegscheider Applied Physics Letters 73 (2), 262-264	215	1998
Magnetotransport through an antidot lattice in GaAs-Al x Ga 1– x As heterostructures K Ensslin, PM Petroff Physical Review B 41 (17), 12307	200	1990
Raman imaging of doping domains in graphene on Si O 2 C Stampfer, F Molitor, D Graf, K Ensslin, A Jungen, C Hierold, L Wirtz Applied Physics Letters 91 (24), 241907	184	2007
Frequency-selective single-photon detection using a double quantum dot S Gustavsson, M Studer, R Leturcq, T Ihn, K Ensslin, DC Driscoll, ... Physical review letters 99 (20), 206804	168	2007
Transport gap in side-gated graphene constrictions F Molitor, A Jacobsen, C Stampfer, J Güttinger, T Ihn, K Ensslin Physical Review B 79 (7), 075426	161	2009
Observation of excited states in a graphene quantum dot S Schnez, F Molitor, C Stampfer, J Güttinger, I Shorubalko, T Ihn, ... Applied Physics Letters 94 (1), 012107	153	2009
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Time-resolved detection of individual electrons in a quantum dot R Schleser, E Ruh, T Ihn, K Ensslin, DC Driscoll, AC Gossard Applied physics letters 85 (11), 2005-2007	144	2004