

# Curriculum Vitae Klaus Ensslin

## Address:

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## Education

May 1983	Vordiplom (Bachelors), University of Munich, Germany
April 1986	Diploma in physics (Masters), ETH Zürich, Switzerland
January 1989	Ph. D. in physics at Max-Planck Institute for Solid State Research, Stuttgart, Germany
January 1995	Habilitation and Privatdozent at University of Munich, Germany

## Employment

June 1986 - Feb. 1989	Ph. D. student at Max-Planck-Institut for Solid State Research, Stuttgart, Germany
March 1989 - March 1991	Postdoc at the University of California in Santa Barbara, USA
April 1991 - Sept. 1995	University Assistant at 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, Switzerland"

## 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
2015	Acknowledged as Outstanding Referee by the American Physical Society
2020	Edison Volta Prize of the European Physical Society
2021	ERC Synergy grant

## 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 - 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 Federal Ministry of Education and Research (BMBF)
2011 - 2012	Member of the Scientific Advisory Committee of the Center for Functional Nanostructures (CFN), Karlsruhe, Germany
2008 - 2014	Member of the IUPAP commission (C8, semiconductors)
2004 - 2015	Member of the board of editors, Solid State Communication
2012	Chairperson of the International Conference on the Physics of Semiconductors, Zurich, Switzerland, July 29 - Aug 3, 2012
2015 - 2019	Associate Editor Nano Letters
1997 - 2020	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 2011	Director of the National Center of Competence in Research (NCCR) on “Quantum Science and Technology”
2017 - 2019	Member of the “National Quantum Coordinators Network of the quantum technologies flagship
since 2019	Member of the Quantum Community Network of the quantum technologies flagship
2017 - 2018	Member of the nomination committee of the EU graphene flagship
2018	Head of evaluation committee of Physics Institute, IST, Austria
2018	Head of evaluation committee of Niels Bohr Institute, Copenhagen, Denmark
2018	Member of Evaluation committee Tata Institute, Bombay, India
since 2019	Head of the advisory board of the Australian Center for Quantum Technology, University of New South Wales, Sydney
since 2021	Swiss delegate to the Advisory Board of the CERN “Quantum Technology Initiative”

### International advisory committee

- „International Conference on the Electronic Properties of Two-Dimensional Systems“, Nara, Japan, Aug. 2003
- „International Conference on Quantum Dots“, Banff, Canada, May 2004
- „International Conference on the Electronic Properties of Two-Dimensional Systems“, Albuquerque, USA, Aug. 2005
- “International Conference on the Physics of Semiconductores”, Vienna, Austria, Aug. 2006
- “18th International conference on high magnetic field in semiconductors and nanotechnology”, Sao Pedro, Brazil, August 3-8, 2008
- Electronic Properties of Two-dimensional Systems and Modulated Semiconductor Structures (EP2DS-18/MSS-14), Kobe, Japan, July 19-24, 2009
- Moriond conference on “Mesoscopic Physics” La Thuile, Italy, March 12-19, 2011
- Electronic Properties of Two-dimensional Systems and Modulated Semiconductor Structures (EP2DS-19/MSS-15), Talahassee, USA, July 25-29, 2011
- International Conference on Superlattices, Nanostructures and Nanodevices, ICSNN 2012, Dresden, Germany, July 22-27, 2012
- International Conference on “High Magnetic Fields in Semiconductor Physics”, (HMF-20), Grenoble, France, July 22-27, 2012
- Electronic Properties of Two-dimensional Systems and Modulated Semiconductor Structures (EP2DS-20/MSS-16), Wroclaw, Poland, July 1-5, 2013
- International Conference GRAPHESP-2014, Lanzarote (Canary Islands), Spain, February 18-21, 2014
- 21st International Conference on “High Magnetic Fields in Semiconductor Physics”, Panama City Beach, Florida, USA, August 3-8, 2014
- International Conference on Superlattices, Nanostructures and Nanodevices (ICSNN), Savannah, Georgia, USA, August 3-8, 2014
- 21st International Conference on Electronic Properties of Two-Dimensional Systems
- 17th International Conference on Modulated Semiconductor Structures July 26-31, 2015, Sendai, Japan
- 5th International Conference Smart and Multifunctional Materials, Structures and Systems, CIMTEC 2016, Perugia, Italy, June 5-9, 2016
- 19th International Conference on Superlattices, Nanostructures and Nanodevices (ICSNN 2016) Hong Kong, July 25-30, 2016
- 22nd International Conference on "High Magnetic Fields in Semiconductor Physics", HMF-22, Sapporo, Japan, July 24-29, 2016
- 33rd International Conference on the Physics of Semiconductors (ICPS 2016), Beijing, China, July 31 to August 5, 2016
- 8th International Conference on Low Dimensional Structures and Devices (LDS 2016), Mayan Riviera (Mexican Caribbean), Mexico, August 28 - September 02, 2016
- International Conference on High Magnetic Fields in Semiconductor Physics, Toulouse, France, July 22-27 2018
- ICSNN 2018, Madrid, July 15-20, 2018
- Nanoconference “Rencontres de Moriond”, March 16-23, 2019, La Thuile Italy
- 29th International Conference on Low Temperature Physics (LT29), Sapporo, Japan, August 15-22, 2020
- CIMTEC 2020, 15th International Ceramics Congress (June 15-19, 2020) and 9th Forum on New Materials (June 20-23, 2020), Montecatini Terme, Italy, June 2020
- ICSNN 2020 - International Conference on Superlattices, Nanostructures and Nanodevices, Quy Nhon (Vietnam) August 3-7 2020
- 24th International conference on high magnetic fields in semiconductor physics (HMF-24), Hong Kong, August 16-21 2020
- ICPS 2020, International Conference on the Physics of Semiconductors, Sydney, Australia, August 9-14 2020
- 24th International Conference on Electronic Properties of Two-Dimensional Systems (EP2DS-24) and

- 20th International Conference on Modulated Semiconductor Structures (MSS-20), Toyama, Japan, October 31 - November 5, 2021
- ICSNN 2022 - International Conference on Superlattices, Nanostructures and Nanodevices, Quy Nhon (Vietnam) July 3-8, 2022

#### International program committee

- "International Conference on the Physics of Semiconductores", Flagstaff, USA, Aug. 2004
- RTN workshop "Nanospectra", Porquerolle, France, July 2004
- RTN workshop on "Spintronics", Poland, 2005
- International conference "Rencontre du Vietnam" on "Nanophysics", Hanoi, Vietnam, August 2006
- "15th International Conference on Superlattices, Nanostructures and Nanodevices", Natal, Brazil, August 3-8, 2008
- SPIE - Europe Symposium "Microtechnologies for the New Millenium 2009", Dresden, Germany, May 4-6, 2009
- International workshop and school on "solid state-based quantum information processing", Herrsching, Germany, June 28 - July 3, 2009
- International Conference on Superlattices, Nanostructures and Nanodevices (ICSNN), Beijing, China, July 18-23, 2010
- 3rd International Symposium on Advanced Nanodevices and Nanotechnology (ISANN) in Kaanapali, Maui, Hawaii, USA, December 4-9, 2011
- Graphene Week 2013, Chemnitz, Germany, June 2-7, 2013
- 19th International Winterschool on "New developments in solid state physics", Mauterndorf, Austria, Feb. 21-26, 2016
- Swiss Nanoconvention, Basel, Switzerland, June 30 - July 1, 2016
- Brazilian Workshop of Semiconductor Physics (BWSP), Brazil, Aug. 14-18, 2017
- International Conference on Nanoscience + Technology 2018 (ICN+T 2018), Brno, Czech republic, July 22-27, 2018
- 2D Materials Focus Topic (2D FT) program committee for the AVS 66th International Symposium & Exhibition in Columbus, OH on October 20-25, 2019
- International Conference on Nano Science and Technology- 2020 (ICONSAT-2020), S. N. Bose National Centre for Basic Sciences, Kolkata, March 5-7, 2020

#### Conference organization

- QSIT workshop „Quantum computing at ETH Zürich“, Flums, Switzerland, Februray 2004
- QSIT workshop on "spin qubits", Castasegna, Switzerland, Oct. 2004
- ICN&T 2006 (International Conference on Nanoscience and Technology), Basel, July 30 - August 4, 2006
- QSIT workshop in Arosa, Jan. 2006
- QSIT workshop in Arosa, Switzerland, Jan. 23-25, 2008
- QSIT workshop in Arosa, Switzerland, Jan. 21-23, 2009
- Workshop on "Interaction and Interference in Nanoscopic Transport", Max-Planck-Institute für Physik komplexer Systeme, Dresden, Germany, February 18-22, 2008 (together with J. König and Y. Gefen)
- Workshop on "Quantum Engineering", Monte Verita, Ascona (Switzerland), June 14 to 19, 2009
- QSIT workshop in Arosa, Switzerland, Jan. 27-29, 2010
- QSIT workshop in Arosa, Switzerland, Jan. 12-14, 2011
- Quantum Information Processing and Communication (QIPC) 2011, Zurich, Switzerland, September 5-9, 2011
- QSIT workshop in Arosa, Switzerland, Febr. 1-3, 2012
- QSIT session during SPS conference, ETH Zurich, Switzerland, June 22
- Workshop on "Quantum Engineering", Monte Verita, Ascona (Switzerland), June 18-22, 2012

- "20th International conference on the physics of semiconductors", Zurich, Switzerland, August, 2012
- QSIT workshop in Arosa, Switzerland, Jan. 30 - Febr. 1, 2013
- QSIT workshop in Arosa, Switzerland, Febr. 5-7, 2014
- Workshop on Quantum Technologies for Metrology and Sensing Workshop, Lancaster University, UK, 30 June - 1 July 2014 (together with V. Falko and Y. Pashkin)
- QSIT workshop in Arosa, Switzerland, Jan. 7-9, 2015
- Conference on quantum engineering, Monte Verita, Ascona, Switzerland, June 8-12, 2015
- QSIT workshop in Arosa, Switzerland, Febr. 3-5, 2016
- QSIT workshop in Arosa, Switzerland, Febr. 1-3, 2017
- QSIT workshop in Arosa, Switzerland, Febr. 7-9, 2018
- Conference on quantum engineering, Monte Verita, Ascona, Switzerland, May 28-June 1, 2018
- QSIT workshop in Arosa, Switzerland, Febr. 6-8, 2019
- QSIT workshop in Arosa, Switzerland, Febr. 5-7, 2020
- EPQHS-8 (Eighth Workshop on Emergent Phenomena in Quantum Hall Systems), Princeton University, USA, May 2021