

Jacek Kossut

Curriculum Vitae

- Born: 12.03.1951 in Warsaw, Poland.
- **Education and scientific degrees:**
 - Primary School #191 Warsaw, September 1st 1957- June 24th 1964
 - Tadeusz Reytan VI Lyceum (High School), Warsaw, September 1st 1964- May 1968
 - University studies: October 1st 1968 – June 1st 1973 --- Department of Physics, Warsaw University, Warsaw, Poland: Specialization: theory of condensed matter; Master's Thesis: "Hopping conductivity in strong electric field - Switching-on effect" (supervisor: prof. dr hab. Jerzy Mycielski) (degree of M.Sc. received June 1973)
 - Ph.D. Thesis: Scattering of charge carriers by magnetic impurities in narrow-gap semiconductors. Degree received: 19th October 1976
 - 1983 Habilitation Thesis: "Band structure and quantum transport phenomena in semimagnetic semiconductors". Degree received in the Institute of Physics of the Polish Academy of Sciences, Warsaw, Poland, degree received 20th October 1983
 - 1992 Title of the Professor bestowed by the President of the Republic of Poland (title received March 9th 1992)
- **Employment and positions:**
 - September, 1973- June 1976 --- Ph.D. Student in the Institute of Physics Polish Academy of Sciences, Warsaw, Poland.
 - June 1976- October 1978 --- Research Assistant in the Institute of Physics of the Polish Academy of Sciences in Warsaw, Poland
 - June 1979-October 1984 --- Assistant Professor in the Institute of Physics of the Polish Academy of Sciences in Warsaw, Poland
 - October 1984 – March 1985 Associate Professor in the Institute of Physics of the Polish Academy of Sciences, Warsaw
 - January 1987- April 1992--- Associate Professor, Institute of Physics of the Polish Academy of Sciences in Warsaw, Poland
 - 15th January 1991-31st December 1993 ---- Research Deputy Director of the Institute of Physics of the Polish Academy of Sciences in Warsaw, Poland
 - May 1st 1992 --- present Full Professor (from 1992 Extraordinary Professor, from June 1st 1995 Ordinary Professor in the Institute of Physics of the Polish Academy of Sciences in Warsaw, Poland. Head of the Laboratory for Growth and Characterization of Low Dimensional Structures (January 3rd 1994 –December 2003).
 - Professor and member of the Senate of the College of Science in Warsaw (since October 1993), Head of the Chair of Physics (October 1998 – May 2001)
 - December 2000 - Head of the EU Center of Excellence "Physics of Low Dimensional Systems" established in the Institute of Physics of the Polish Academy of Sciences
 - November 2003- Director of the Institute of physics of the Polish Academy of Sciences

- **Positions and fellowships abroad**

- October 1978-June 1979 --- post-doctoral fellow in Institut fuer Theoretische Physik der Universitaet zu Koeln, Germany
- 1980 – two month post doctoral scholarship at Eindhoven University of Technology, Eindhoven, the Netherlands
- March and April 1979 - - visiting scientist in Osaka University, Japan (period of two months)
- March 1985-December 1986 --- visiting associate professor, Department of Physics, Purdue University, West Lafayette, USA
- Guest Professor in the Department of Physics, University of Notre Dame (October 1991-August 21st 1999, periodically). Most recent visit: September/October 2003
- Guest Professor at University of Maryland (four months 1995/1996)
- Guest Professor, Chiba University, Chiba, Japan (one month in 2001)

- **Membership in Committees and Professional Organizations**

- 1994 - Expert of Polish State Committee of Scientific Research: from 1997 Member of and between 1998-1999 Head of the Physics Section, from 1998 Member of and from 2000 until present - Head of the Material Research Section, Head of the Special Section „Blue Electronics”(from 2000), Head of the Special Section „Nanomaterials” (from 2000)
- Member of the Society for the Promotion and Support for Sciences (since 1996 member (treasurer) of the Executive Board, 1999-2002 – vice chairman of the Executive Board); 2002 – President of the Council of the Society
- Founder and until 2000 member of the Executive Board of the Foundation *Pro Physica*
- Member of Polish Physical Society (since 1995),
- Member of American Physical Society (since 1993)
- Fellow of the Institute of Physics (UK) (since 2000)
- Head of the Center of Excellence in the Institute of Physics founded by European Commission within the 5th Framework (since December 1st 2000)
- Member of Scientific Council of the Institute of Physics of the Polish Academy of Sciences (incessantly since 3rd January 1990, recently for the period 1999-2004)
- Member of the Scientific Board of the High Pressure Research center of the Polish Academy of Sciences (1999-2002)
- Member of the Scientific Council of the Institute of Experimental Physics, Warsaw University (1996-1999)
- Member of American Association for the Advancement of Science (from 2000)
- Member of Material Research Society (1986-1987, 2001-2001, 2003-)
- Member of the Editorial Board of the New Journal of Physics
- Referee for Physical Review B, Physical Review Letters, Applied Physics Letters, Solid State Communications, Physica B and Physica E. Reviewer for NSF, Swedish Granting Agency, Polish State Community for Scientific Research.

- **Membership in committees of international conferences**

- Secretary of the Organizing Committee of the 18th International Conference on the Physics of Semiconductors
- Since 1986 – Scientific Committee of International School on the Physics of Semiconducting Compounds, Jaszowiec, Poland (organized yearly)

- Co-chairman of the International Workshops on Molecular Beam Epitaxy, Warsaw, 1999, 2001, 2003
- International Advisory Committee of the International Conference on II-VI Compounds (Newport – 1993, Edinburgh – 1995, Grenoble -1997, Kyoto – 1999, Bremen – 2001, Niagara Falls – 2003, Chairman of the Conference to be organized in Warsaw in 2005)
- Advisory Board of the International Conference on the Physics of Semiconductors, Edinburgh, 2002
- Programme Committee of the International Conference on the Physics of Semiconductors, Flagstaff, USA, 2004
- Advisory Committee of the International Conference on Quantum Dots, Banff, Canada, 2004

- **Prizes**

1977 – team Prize of the Scientific Secretary of the Polish Academy of Sciences,
 1978 - team Prize of the Scientific Secretary of the Polish Academy of Sciences,
 1983 - Individual Prize of the III Division of the Polish Academy of Sciences (Physics, Mathematics and Chemistry),
 1986 - team Prize of the Scientific Secretary of the Polish Academy of Sciences,
 1988 - Individual Prize of the III Division of the Polish Academy of Sciences (Physics, Mathematics and Chemistry),
 2001 First Prize of the Polish Vacuum Society
 2001 Maria Curie Skłodowska Prize
 2003 Professorial Stipend from the Foundation for Polish Science

- **Scientific interests:**

Narrow gap semiconductors
 Quantum transport phenomena
 Diluted magnetic semiconductors
 Spatial correlation effects in heavily doped semiconductors
 Low dimensional systems involving diluted magnetic semiconductors.

- **Publications (see separate sheets):**

Author and co-author of approximately 300 papers in international journals; Co-editor (with J.K. Furdyna) of volume 25 of "Semiconductors and Semimetals" on Diluted Magnetic Semiconductors as well as review chapters in *Handbook of Magnetic Materials* (edited by K. Buschow, North-Holland, Amsterdam, 1993, Chapter 4, p. 231, vol 7, an update to appear in 2004) and in *Narrow Gap Compounds for Optoelectronic and Electromagnetic Applications* (edited by P. Capper, Chapman and Hall, London, 1997, Chapter 13, p. 401), and in Landolt-Bornstein tables (III/17B and III/41B). Over 1600 quotations.