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Education and scientific titles

- 1987 – Professor ordinary, scientific title.
- 1982 – Professor extraordinary, scientific title.
- 1977 – Habilitation, theoretical physics, University of Wrocław.
- 1970 – Ph.D., theoretical physics, University of Wrocław.
- 1966 – B. Sc, M.A., with High Distinction, theoretical physics, University of Wrocław.

Professional experience

- **1998 – 2001** : *contractor scientist*, Constellation Technology Corporation, Largo, Florida
- **1990 – 2004** : *full professor*, Institute of Theoretical Physics, University of Wrocław.
- **1986 – 1990** : *associate professor*, Institute of Theoretical Physics, University of Wrocław.
- **1970 – 1986** : *assistant professor*, Institute of Theoretical Physics, University of Wrocław.
- **1966 – 1970** : *PhD fellowship*, Institute of Theoretical Physics, University of Wrocław
- **1966 – 1966** : *assistant lecturer*, Department of Mathematics, Higher Pedagogical School, Opole.

International research experience

- **10/1997 - 6/1998** Department of Mathematics, University of Florida
- **2-4/1997** Department of Mathematics, University of Florida
- **6/1995-2/1996** BiBoS Forschung Zentrum, University of Bielefeld (Humboldt Award)
- **3-6/1995** Research Institute for Mathematical Sciences, Kyoto University
- **7-9/1994** BiBoS Forschung Zentrum, University of Bielefeld (DFG grant)
- **6-7/1994** Schrodinger Institute, Wien (visiting professor)
- **3-5/1994** Research Institute for Mathematical Sciences, Kyoto (JSPS fellowship)
- **3-5/1993** Department of Applied Mathematics, University of Florence (CNR vis. prof.)
- **10-12/1993** Laboratory of Theoretical Physics, University of Marseille (EEG grant)
- **6-8/1993** BiBoS Forschung Zentrum, University of Bielefeld (Humboldt grant)
- **3-4/1992** Department of Applied Mathematics, University of Florence (CNR vis. prof.)
- **5-6/1992** BiBoS Forschung Zentrum, University of Bielefeld (Humboldt grant)
- **3-6/1991** Department of Applied Mathematics, University of Florence (CNR vis. prof.)
- **6-10/1991** BiBoS Forschung Zentrum, University of Bielefeld (DFG and Humboldt grant)
- **5-7/1990** Department of Applied Mathematics, University of Florence (CNR vis, prof.)
- **2-5/1990** Center de Physique Theorique, CNRS Marseille (CNRS vis. prof.)
- **3-10/1989** Laboratory of Theoretical Physics, University of Marseille (CNRS vis. prof.)
- **2/1989** Arnold Sommerfeld Institute, Technical University of Clausthal (Humboldt grant)
- **9-12/1988** Laboratory of Theoretical Physics, University of Marseille (vis. prof.)
- **5-7/1988** BiBoS Forschung Zentrum, University of Bielefeld (DFG grant)
- **3-4/1988** Department of Applied Mathematics, University of Florence (CNR vis. prof.)
- **9/1987** Arnold Sommerfeld Institute, University of Clausthal (Humboldt grant)
- **9/1987** II Institute of Theoretical Physics, University of Hamburg (vis. prof.)
- **5-7/1987** Department of Mathematics, University of Rome (vis. prof.)
- **8-10/1986** Deutsche Elektronen Synchrotron (DESY), University of Hamburg (vis. prof.)
- **6-7/1985** II Institute of Theoretical Physics, Hamburg (vis. prof.)

- 9-10/1985 CERN Geneve (guest scientist)
- 5-8/1984 Center de Physique Theorique, CNRS Marseille (vis. prof.)
- 10-11/1984 CERN Geneve (guest scientist)
- 10-12/1982 CERN Geneve (guest scientist)
- 1-10/1981 Institute of Theoretical Physics, University of Goettingen (vis. prof.)
- 3-6/1980 II Institute of Theoretical Physics, University of Hamburg (vis. prof.)
- 1-12/1976 II Institute of Theoretical Physics, University of Hamburg (Humboldt grant)
- 6-9/1975 Institute of Theoretical Physics, SUNY, Stony Brook, LI (NSF grant)
- 9-12/1970 CNRS, Marseille (guest researcher)

Selected Publications

- Member of the Editorial Board of *Reports in Mathematical Physics*
- Editor and co-editor of three conference proceedings, and co-author of one monograph.
- Over 80 papers published in professional journals, including: Acta Applicandae Mathematicae, Annalen der Physics (Leipzig), Annals of Physics (NY), Annales d'Institut Henri Poincare, Bulletin de l'Academie Polonaise des Sciences, Central European Journal of Physics, Chinese Journal of Physics, Classical and Quantum Gravity, Communications in Mathematical Physics, Foundations of Physics, Helvetica Physica Acta, International Journal of Theoretical Physics, Journal of Geometry and Physics, Journal of Physics A, Letters in Mathematical Physics, Journal of Statistical Physics, Nuclear Physics B, Physica D - Nonlinear Phenomena, Nuovo Cimento B, Physics Letters A, Progress in Theoretical Physics, Reports on Mathematical Physics, Reviews in Mathematical Physics.
- Conference proceedings on: Advances in Dynamical Systems and Quantum Physics, Bioelectronics, Are There Quantum Jumps? - and On the Present Status of Quantum Mechanics, Chaos - the Interplay Between Stochastic and Deterministic Behavior, Differential Geometric Methods in Theoretical Physics, Foundations of Modern Physics, Group Theoretical Methods in Physics, General Relativity, Infinite Dimensional Geometry, Non Commutative Geometry, Operator Algebras, Fundamental Interactions Mysteries, Puzzles and Paradoxes in Quantum mechanics Nonlinear, Deformed and Irreversible Quantum Systems, Open Systems and Measurement in Relativistic Quantum Theory, Quantum Communications and Measurement, Quantum Future, Quantum Groups, Quantum Theory of Particles and Fields, Spinors, twistors, Clifford algebras and quantum deformations, Stochastic Processes, Physics and Geometry, Stochasticity and Quantum Chaos, Supersymmetry and Supergravity, Superunification and Extra Dimensions.

For a complete list, see the *List of Publications*.

- “Quantum Fractals on n -spheres,” A. Jadczyk, to appear in Advances in Applied Clifford Algebra, vol 17 no 2, December 2006).
- “Piecewise Deterministic Quantum Dynamics and Quantum Fractals on the Poincare Disk,” A. Jadczyk, Reports on Mathematical Physics, Vol 54 No 1 (2004).
- “Fundamental Geometric Structures for the Dirac Equation In General Relativity,” D. Canarutto, A. Jadczyk, Acta Appl. Math. 51 No 1 (1998) 59–92.
- “Time of Events in Quantum Theory,” Ph. Blanchard, A. Jadczyk, Helv. Phys. Acta 69 (1996) 613–635.
- “Particle Tracks, Events and Quantum Theory,” A. Jadczyk, Progr.Theor.Phys. 93 (1995), 631–646.
- “Topics In Quantum Dynamics,” A. Jadczyk, in Infinite Dimensional Geometry, Non Commutative Geometry, Operator Algebras, Fundamental Interactions, Ed. R. Coquereaux Et Al, World Scientific, Singapore 1995, p. 57–91.
- “Born’s Reciprocity in the Conformal Domain,” A. Jadczyk, in Wroclaw 1992, Proceedings, Spinors, twistors, Clifford algebras and quantum deformations, p. 129–140.
- “Differential and Integral Geometry of Grassmann Algebras,” R. Coquereaux, A. Jadczyk,

D. Kastler, Rev. Math. Phys. 3 (1991), p. 63–100. (2003).

- “*Conformal Theories, Curved Phase Spaces, Relativistic Wavelets and the Geometry of Complex Domains*,” R. Coquereaux, A. Jadczyk, Rev.Math.Phys. 2, (1990), p. 1–44.
- “*Graded Lie—Cartan Pairs. 2. The Fermionic Differential Calculus*,” A. Jadczyk, D. Kastler, Ann. Phys. 179 (1987) p. 169–200.
- “*Geometry of Multidimensional Universes*,” R. Coquereaux, A. Jadczyk, Commun. Math. Phys. 90 (1983) 79–100.
- “*Conservation Laws and Stringlike Matter Distributions*,” A. Jadczyk, Ann. Inst. H. Poincarè 28 (1983) p. 99–111. (2000).
- “*Superspaces and Supersymmetries*,” A. Jadczyk, K. Pilch, Commun. Math. Phys. 78 (1981) p. 373–390.
- “*On Some Groups of Automorphisms of Von Neumann Algebras with Cyclic and Separating Vector*,” A. Jadczyk, Commun. Math. Phys. 13 (1969) p. 142–153.
- **monograph:** “*Riemannian Geometry, Fiber Bundles, Kaluza-Klein Theories And All That*,” R. Coquereaux, A. Jadczyk, World Scientific, Singapore (1988) 345 p. (World Scientific Lecture Notes in Physics, 16)

**Teaching
experience**

- Courses on: Algebra and Geometry (including computer assisted linear algebra), Mathematical Analysis (including computer assisted Calculus), Differential equations (ordinary and partial), Riemannian Geometry, Relativity (special and general), Quantum Mechanics, Methods of Mathematical Physics: (including: measure and probability, Fourier, Laplace and other integral transforms, functional analysis, differential equations, generalized functions, analytic functions, etc.; also: computer assisted), Mathematical Foundations of Quantum Theory

**Honors and
awards:**

- Humboldt Foundation Award for research: 1995
- Polish Ministry of Science and Education for scientific achievements: 1970, 1976, 1985, 1990, 1996
- Polish Academy of Sciences for scientific achievements: 1972, 1973
- Polish Ministry of Science and Education for excellence teaching: 1980
- First Award of the Student Association for excellent teaching: 1983, 1984, 1985.

Nationality

- Polish