CURRICULUM VITAE

Dr hab. Marek Wolf

Personal:

Born July 10-th, 1956, Nowa Ruda, Poland
Divorced
Children: daughters Magdalena and Marta
Nationality: Polish

Work Address: Cardinal Stefan Wyszynski University
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Study:

Department of Physics, University of Wrocław, 1975-78

Degrees:

- **M.Sc. in Physics, thesis:** *The Virasoro Algebra in the String Theory*, University of Wrocław, 1978, supervisor Prof. Z. Haba
- **Ph.D. in Physics, thesis:** *Central Charges in the Supersymmetric Quantum Field Theory*, University of Wrocław, 1982, supervisor Prof. J.T. Łopuszanski
- **Habilitation thesis:** *Application of multifractality in the number theory and fractal growth phenomena*, University of Wrocław, 1993

Employment:

- Post-graduate study in Theoretical Physics, University of Wrocław, 1978-1981
- Research Assistant, Institute of Theoretical Physics, University of Wrocław, 1981-1983
- Adjunct, Institute of Theoretical Physics, University of Wrocław, 1983 — March 2012
- Professor, Cardinal Stefan Wyszynski University, Warsaw

Awards:

- Polish Physical Society Award for M.Sc. thesis, 1978

- M.Smoluchowski Award of the Polish Academy of Sciences for good studies, 1978
- Ministery of Education Award for Ph.D.thesis, 1983
- Rector of University of Wrocław Award, 1981, 1982, 1987, 1989, 1990, 1994

Speaker (selected):

- Winter School of Theoretical Physics, Karpacz, Poland, 1981
- Nonperturbative Methods in Quantum Field Theory, Siofok, Hungary, 1986
- Universalities in Condensed Matter Physics, Les Houches, France, 1988
- Physics of Inhomogeneous Materials, Trieste, Italy, 1991 (invited speaker)
- Multifractal Analysis, Utrech, Holland, 1996
- XX Journees Arithmetiques, Limoges, France, 1997
- Symposium on Stochastic Processes in Chemistry, Cancun, Mexico, 1997 (invited speaker)

Other conferences attended (selected):

- NATO Advanced Study Institute, Keiserslautern (FRG), 1979
- NATO Advanced Study Institute, Bad Honnef (FRG), 1980
- Schools on Supergravity and Supersymmetry, ICTP, Trieste, 1981, 1982, 1984, 1986, 1987
- MECO, Hungary 1990 (posters presented)
- Dynamics Days, Düsseldorf 1990, (posters presented)
- Dynamics Days, Rydzyna, 1992, (poster presented)
- MECO, Slovakia, 1994, (poster presented)
- Dynamics Days, Budapest 1994, (poster presented)
- Multifractal Analysis, Utrech 1996 (poster presented)

Visiting Scientist:

- University of Florence, Italy, November 1983 and November 1984

- Institute of Theoretical Physics, Trieste, Italy, August 1990
- Center for Polymer Studies, Boston University , March-July 1991
- BiBoS, Bielefeld University (Germany), September 1992
- Center for Polymer Studies, Boston University, April-June 1993
- Centro de investigaciones teoricas, UNAM, Mexico City, July 1996, November–December 1997
- Newton Institute for Mathematical Sciences, Cambridge University, November 1997

Grants received: 1992 and 1993-1995 : individual grants from Polish Scientific Committee, 1994–1997 : principal investigator, grant from Polish Scientific Committee.

Research interests: In the late seventies and in the early eighties I was working on strings and supersymmetry. For short time I was interested in stochastic quantization. In 1984 I bought the famous ZX Spectrum computer and I turned from quantum field theory to fractals and chaos. In particular I was interested in Cellular Automata, Diffusion–Limited Aggregation, fractal growth processes, multifractality, Self-Organized Criticality and recently in the distribution of prime numbers and quantum chaos. I am writing my programs in Fortran, Pascal and I am familiar with Reduce and Maple. In my early works on DLA i wrote several routines in assembly language.

Member of the Editorial Board of the Computational Methods in Science and Technology

Teaching Experience: For many years I was teaching students at University of Wroclaw. I gave among others courses on quantum mechanics, quantum field theory, fractals and chaos, algorithms and data structures. Supervisor of six master degree thesis. I have been interviewer of applicants for physical, mathematical and computer sciences studies for many years.

Other experience: Co–organizer of the XXXI Karpacz Winter School. Referee of two Ph.D. thesis and two habilitation thesis. Many times I was a grant reviewer for the Polish Scientific Committee.