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born: 17 July 1967 in Wałcz, Poland Home address: Heweliusza str. 15/9,
87-148 Papowo Toruńskie
Poland Citizenship: Polish Education:

1986-1991 physics course at Nicolaus Copernicus University
1991 - MSc, computer physics, Nicolaus Copernicus University - Valence-Universal Coupled

Cluster

Method Applied to Quasi-degenerate Systems

1999 - Ph.D.. theoretical physics, Nicolaus Copernicus University, Toruń - Almost-linear Coupled

Cluster

Method for Open-shell States

2009 - D.Sc. - habilitation - theoretical physics, Nicolaus Copernicus University, Toruń - New Orbital-dependent

Exchange-correlation Functionals and Potentials in Density Functional Theory

2015 - Professor of theoretical physics, Nicolaus Copernicus University, Toruń Positions: 1990-1991 young assistant - Institute of Physics Nicolaus Copernicus University, Toruń

1991-1999 assistant - Institute of Physics Nicolaus Copernicus University, Toruń

1999-2001 Postdoctoral fellowship - Quantum Theory Project, University of Florida, Gainesville, FL, USA

2002 - 2011 assistant professor - Institute of Physics Nicolaus Copernicus University, Toruń

2009 - 2014 Scientific Director - Institute of Physics Nicolaus Copernicus University, Toruń

2011 - professor - Institute of Physics Nicolaus Copernicus University, Toruń

2015 - Director of Institute of Physics, Nicolaus Copernicus University, Toruń Visits/Schools

1991 European Summerschool of Quantum Chemistry Lund Sweden

1992 Laboratoire de Physique Quantique, Universit'e Paul Sabatier, Toulouse, France
– Tempus project (3 months)

1996 NATO Advanced Study Institute of Problem Solving in Computational molecular Science, Bad Windsheim, Germany

2004 Visiting scientist in Quantum Theory Project University of Florida Gainesville, USA (2 months)

2010 Visiting professor, Quantum Theory Project University of Florida Gainesville, USA (2 weeks)

2012 Visiting professor, Istituto Nanoscienze-CNR, NNL-Lecce & Center for Biomolecular Nanotechnologies@UNILE,

Italian Institute of Technology, Lecce, Italy (2 months)

2014 Visiting professor, UPMC, Paris, France (1 week)

Honors and Awards: 2004,2008,2010,2011 – Awards of The Rector of the Nicolaus Copernicus University

Research Fields:

- Methods of calculating electron correlation effects in many-electron systems
Coupled Cluster methods – single and multireference, Many Body Perturbation Theory
- Ab initio Density Functional Theory – orbital dependent exchange and correlation functionals and potentials in KS DFT (OEP methods)
- Developing methods, algorithms and computer codes for proper description of correlation effect in atoms and molecules.
- Connections between WFT and DFT

Publications: to see - click

Citations: Google Scholar

Conferences & Invited lectures: to see - click Teaching: foundations of physics, quantum mechanics, quantum chemistry, computer science, numerical methods, programming, physics laboratory, mathematics, mathematical methods in physics, math, linear algebra, computer implementation in physics, LAN administration, operating systems, computer network, computer safety, data safety, cryptography, informatics in business, ...Research Grants(head)/Fellowships:1998 - Grant from the State Committee for Scientific Research (KBN)

1999 -Grant of the Nicolaus Copernicus University,

2002 -Grant of the Nicolaus Copernicus University,

2003-2005 - Grant from the State Committee for Scientific Research (KBN)

2005 - conference grant Swiss National Science Fundarion

2005 -Grant of the Nicolaus Copernicus University,

2007 -Grant of the Nicolaus Copernicus University

2007-2009 - Grant from the State Committee for Scientific Research (MNiSW)

2010-2013 - Grant from the State Committee for Scientific Research (MNiSW)

2015-2016 - bilateral exchange (Poland-France) - POLONIUM grant

2014-2017 - Grant from National Science Centre (NCN)

2019-2020- bilateral exchange (Poland-Italy)- CANALETTO grant (NAWA)Hobby: to see pictures click

sailing

mountain hiking

aikido Kobayashi

canoeing

skiing

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