

## Curriculum vitae

**Name:** Adam Kiejna

Researcher unique identifier: Research ID K-7635-2012, ORCID: 0000-0002-0983-7953

**Born** (Year, Place): 1950, Dobrzyń nad Wisłą, Poland

**Nationality:** Polish

**Marital status:** Married, two (adult) daughters.

**Languages:** Polish, English, German, Russian, French.

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### Scientific degrees and titles:

2002, Scientific title of the Professor of physical sciences.

1991, Habilitation, Faculty Math., Phys. and Chemistry, University of Wrocław, Poland.

1981, Ph.D. in Physics, Faculty of Math., Phys. and Chem., University of Wrocław (UWr).

1972, M.Sc., Theoretical Physics, Faculty of Math., Physics and Chem., UWr.

### Present positions:

2004 – present, Ordinary (Full) Professor, University of Wrocław.

2002 – present, Head of the *Materials Physics and Surface Processes Section* (formerly *Adsorption Section*), Institute of Experimental Physics (IEP), University of Wrocław.

### Past positions and extended stays:

2013 – 2015 Visiting Researcher, Institute of Chemistry of São Carlos, University of São Paulo, São Carlos, Brazil (6 months in total).

2010 – 2011, Visiting Researcher, Department of Physics and Astronomy, University of Central Florida, Orlando, USA (5 months).

2002 – 2005, President of the Wrocław Branch of the Polish Physical Society (Poland).

2003/2004, Alexander von Humboldt Research Fellowship and Max Planck Society Scholarship, Fritz-Haber-Institut der MPG, Theory Department, Berlin, Germany (3 months in total).

2001, 2003, Visiting Professor, Laboratory of Physics, Helsinki University of Technology, (now Aalto University) Espoo, Finland (5 months in total).

1999 Visiting Professor, Department of Applied Physics, Chalmers University of Technology and Göteborg University, Sweden (5 months).

1997 – 2003, Associate Professor, IEP UWr.

1993 Visiting Scientist, Université de Provence and CRMC<sub>2</sub>–CNRS, Campus de Luminy, Marseille, France (2 months).

1992 International Center for Theoretical Physics, Trieste, Italy, August/September (4 weeks)

1989 – 1990, 1997, Alexander von Humboldt Fellowship, Sektion Physik/Theoretische Physik, LM-Universität, Munich, Germany (22 months in total)

1982 Assistant, DPMC, University of Geneva (Prof. Ø. Fischer, 3 months).

1981 – 1982, European Physical Society Scholarship, Departement de Physique de la Matière Condensee, University of Geneva, Switzerland (8 months).

1981 – 1997, Assistant Professor, IEP UWr.

1974 – 1981, Senior Assistant, IEP UWr.

1972 – 1974, Assistant, IEP UWr.

**Supervision of PhD students:** Supervision of 5 PhD students (PhD completed) and of two 9-month stays of PhD students in his group.

**Postdoctoral fellows advisor:** 2 Fellows of the Mianowski Fund (Foundation Supporting Science).

**Memberships:** Polish Physical Society (from 1973), European Physical Society (from 1979).

**Scientific committees of international conferences:**

- $\psi_k$  Conference 2015, Donostia-San Sebastian, Spain, September 6 - 10, 2015.
- European Conference on Surface Science (ECOSS-28), International Program Committee, Wrocław, Poland, Aug.28 – Sept. 2, 2011.
- 27<sup>th</sup> Max Born Symposium on Multiscale Modeling of Real Materials, University of Wrocław, Poland (September 2010, Co-Chair).
- $\psi_k$  Conference 2010, Berlin-Dahlem, Germany, September 12–16, 2010.
- International Workshop on Multiscale Modeling of Extended Defects and Phase Transformations at Materials Interfaces, University of Wrocław, Poland (2006, Co-Chair).
- $\psi_k$  Conference 2005, *Towards Atomistic Materials Design*, Schwäbisch Gmünd, Germany.
- International Workshop on Surface Physics, Polanica Zdrój, Poland (2003 (Co-Chair), 2006).
- $\psi_k$  2000 Network Conference, Schwäbisch Gmünd, Germany, 2000.
- International Seminar on Surface Physics, UWr, Poland (1992–2000, 1996 Chair).

**Scientific councils:**

- The Committee on Physics, Polish Academy of Sciences, 2012–15.
- Psi-k Network (<http://www.psi-k.net/> ) Psi-k Scientific Advisory Committee, from 2007.
- Management Committee of the COST Action P19, 2006 – 2010.
- The Polish National Committee for Cooperation with the European Science Foundation at the Praesidium of the Polish Academy of Sciences, 1999–2002, 2003–2006, and 2007–2010.
- Steering Committee of the European Science Foundation programme: *Towards Atomistic Materials Design* (PSI-K), 2003–2007.
- Steering Committee of the European Science Foundation programme: *Electronic Structure Calculations for Elucidating the Complex Atomistic Behaviour of Solids and Surfaces* (STRUC), 1998–2002.

**Editorial Board member:**

2008 – *Electronic Structure*, Journal of the Institute of Physics Publishing (UK).

2003 – 2010, *Postępy Fizyki (Progress in Physics)*, Journal of the Polish Physical Society.

**Referee to the journals:**

Acta Physica Polonica, Applied Physics A, Applied Surface Science, Canadian Journal of Physics, Chemical Physics Letters, Chemistry of Materials, Computational Materials Science, European Physical Journal B, Intermetallics, Journal of Alloys and Compounds, Journal of Adhesion Science and Technology, Journal of Chemical Physics, Journal of Physical Chemistry C, Journal of Physics and Chemistry of Solids, Journal of Physics: Condensed Matter, Materials Science and Engineering A, Mechanics of Materials, New Journal of Physics, Philosophical Magazine, Physica Scripta, Physical Chemistry Chemical Physics, Physical Review B, Physical Review Letters, Polish Journal of Chemistry, RSC Advances, Scripta Materialia, Solid State Communications, Surface Science, Thin Solid Films, Vacuum.

**Guest editor to the journals:**

Surface Science (2006), Vacuum (2003), Acta Physica Polonica A (1994).

**Management:**

- 2012 – 2016, Deputy Director for Research of the IEP UWr.
- 2002 – 2005, Member of the Senate of the University of Wrocław.
- 1996 – 2005, Deputy Director for Research of the IEP UWr.
- 1994 – 1997, Coordinator of the TEMPUS Joint European Project # 8343.
- 1993 – 1997, Coordinator of the European Mobility Scheme for Physics Students at UWr.

**Honors and Awards:**

- UWr Rector Award for Scientific Achievements (more than 20, most recent in 2018).
- Knight's Cross of the Order Polonia Restituta (2010).
- Poland's Golden Cross of Merits (2000).
- Minister of Higher Education Award for Scientific Achievements (1982).

**Research interests:**

My research interest is primarily concerned with theoretical description of structure and properties of surfaces and interfaces, and the phenomena occurring at metal and oxide surfaces. I have published more than 110 scientific papers in peer reviewed journals and co-authored a book on electronic properties of metal surfaces (*Metal Surface Electron Physics*, Pergamon, Oxford, 1996).