

Curriculum vitae

Professor Jerzy Franciszek JANIK, Ph.D. in Chemistry

Permanent work address

AGH University of Science and Technology (AGH-UST)
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Personal

Polish citizen

Born

September 18, 1950; Radziszów, Poland

Marital status

Married, two children

Education

- 1968-1974 Master's degree in Chemistry from Jagiellonian University, Krakow, Poland
- 1982-1987 Ph.D. in Chemistry from the University of New Mexico (UNM), Albuquerque, New Mexico, U.S.A. (Prof. Robert T. Paine). Dissertation title: "Investigation of group III-V compounds as precursors for solid state materials"
- 1994 Habilitation defense at AGH-UST, Krakow, Poland. Dissertation title: "Characterization of reactions and processes in the formation of aluminum nitride – AlN and boron nitride – BN based solid state materials from chemical precursors"
- 2006 Title of Full Professor conferred upon by the President of Poland

Professional experience

- 1974/1975 Research assistant in the Institute of Crude Oil Technology, Krakow, Poland
- 1975-1987 Teaching and senior research assistant in the Faculty of Fuels&Energy, AGH-UST
- 1987-1999 Adjunct professor at AGH-UST
- 1999-2020 – to present Position of professor at AGH-UST; since 2021 – 3-year grant contract and position of research professor at AGH-UST
- 1990-1992 Postdoctoral position/research associate professor with Prof. Robert T. Paine, UNM, Albuquerque, U.S.A. (on leave from AGH-UST)
- 1995-1998 and 2000 Postdoctoral position/visiting associate professor with Prof. Richard L. Wells Duke University, Durham, U.S.A. (on leave from AGH-UST)
- 2000-2020 Head of the Department of Carbon and Inorganic Materials and, later, after reorganization, a vice-chairman (2007-2008) and chairman (2008-2016) of the Department of Fuels Technology in the Faculty of Energy and Fuels, AGH-UST
- 2001/2002 and 2003, 2004, 2005, 2006 Postdoctoral position/research associate professor with Prof. Robert T. Paine, UNM, Albuquerque, U.S.A. (on leave from AGH-UST)

Organizational activities

- 1980-1982 – Faculty’s safety representative, AGH-UST
- 1989 – head of the Faculty’s Student Recruitment Committee, AGH-UST
- 1993-1996 – Faculty’s representative in the AGH-UST Election Committee
- 1999-2002 – member of the Faculty’s Committee on Study Programs
- 1999 – vice-chairman of the Organizational Committee of the International Conference „Fuels and Energy – today and tomorrow”; AGH-UST, Krakow, Poland; June 24-25, 1999
- 1999-2001 – establishment of the Laboratory for Preparation of New Materials, Faculty of Fuels&Energy, AGH-UST
- 1999-2001 – organization of Faculty’s seminars
- 2000-2006 – head of the Department of Carbon and Inorganic Materials, Faculty of Fuels&Energy, AGH-UST
- since 2003 – member of the Editorial Board of the AGH-UST Science and Teaching Publishings, Division of Mathematics, Physics, and Chemistry
- 2005-2020 – head of the Faculty’s Committee on Awards, Faculty of Fuels&Energy, AGH-UST
- 2007-2008 – vice-chairman of the Department of Fuels Technology, Faculty of Fuels&Energy, AGH-UST
- since 2007 – member of the Scientific Council of the Institute of High Pressure Physics, Polish Academy of Sciences, Warszawa, Poland
- 2008-2016 – chairman of the Department of Fuels Technology, Faculty of Energy and Fuels, AGH-UST

Honors and awards

- 1975, 1976, 1979, 1981 Rector's Award for outstanding junior teaching assistants, AGH-UST
- 1986 Seventh Annual Graduate Scholarship Award, Department of Chemistry, UNM, Albuquerque, U.S.A.
- 1996 Rector's Award for outstanding habilitation defense, AGH-UST, Krakow, Poland
- 1999 Rector’s Organizational Award, AGH-UST
- 2000 Golden Cross of Merit of the Republic of Poland
- 2003 Medal of the Committee for National Education (KEN) in Poland
- 2003, 2005, 2006, 2007, 2016, 2017 Rector’s Award for outstanding scientific achievements, AGH-UST

Skills

- area: Inorganic chemistry/materials science; nanomaterials; preparation, characterization, and conversion of inorganic and organometallic precursors to ceramic and semiconducting nanomaterials; nanosized III-V and carbon/graphite-based simple and composite materials; inorganic adsorbents; fuel conversions.
- analytical techniques: FT-IR, Raman, UV/vis, GC/MS, and NMR (solution, multinuclear) spectroscopies; SEM/EDX; X-ray powder diffraction; TGA/DTA; measurements of adsorption properties of inorganic adsorbents
- laboratory practice: Manipulation of air and moisture sensitive, poisonous, and explosive compounds using the Schlenk and dry-box techniques; glass blowing; preparation and handling of gas, coal, and ash materials

References

Prof. Robert T. Paine
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Albuquerque, New Mexico 87131, U.S.A.
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Prof. Jeffery L. Coffey
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