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Short resume

Educational experience

- 2004 Full Professor.
- 1979 Habilitation (Doctor of Sciences), Warsaw University of Technology, Poland.
- 1976 Doctor of Physical Sciences (equiv. Ph.D.), Institute of Geophysics, Polish Academy of Sciences, Warsaw, Poland.
- 1968-1971 Study of Mathematics (numerical methods), University of Warsaw, Poland.
- 1967 M.Sc. Eng. Surveying and Geodesy, Warsaw University of Technology, Poland.

Professional practice

- 1998-present Professor, Institute of Geodesy and Cartography, Warsaw, Poland. Head of the Department of Geodesy and Geodynamics. Responsibilities: GPS, geodynamics, gravity field modelling, geodetic control, reference coordinate systems.**
- 1998-2003 Associate Professor, Faculty of Geodesy and Spatial Management, University of Warmia and Mazury, Olsztyn, Poland. *Responsibilities: geodesy, physical geodesy, satellite geodesy, gravimetry.*
- 1991-1998 Senior Lecturer at the Department of Surveying and Mapping, University of Natal, Durban, South Africa. *Responsibilities: GPS, gravity field modelling, navigation; teaching undergraduate courses of geodesy, geodetic surveying, numerical and computer methods for surveyors, introduction to satellite surveying. theory of adjustment, coordinate systems and map projections; consulting in navigation and GPS surveying.*
- 1988-1991 Research Associate and Sessional Instructor at the Department of Surveying Engineering, University of Calgary, Calgary, Alberta, Canada. *Responsibilities: gravimetric and gradiometric aiding of inertial navigation systems; teaching undergraduate courses of fundamentals of geodesy and geodetic positioning.*
- 1987-1988 Acting Assistant Professor at the Civil Engineering Faculty, University of Washington, Seattle, WA USA. *Responsibilities: teaching undergraduate course of surveying engineering and graduate courses of geodesy and satellite geodesy, Global Positioning System - theory and application.*
- 1977-1987 Research Scientist and Adjoint Professor at the Department of Planetary Geodesy, Space Research Centre, Polish Academy of Sciences, Warsaw, Poland. *Responsibilities: mathematical methods in geodetic computations; geodetic processing of large data sets; modelling the Earth's gravity field; global and local geoid determination.*
- 1983-1984 Visiting Professor at the Division of Surveying Engineering, the University of Calgary, Alberta, Canada. *Responsibilities: geodetic use of satellite to satellite tracking; local geoid determination in mountainous regions.*
- 1976-1978 Postdoctoral Fellow at the Institute of Physical Geodesy, Technical University at Graz, Austria. *Responsibilities: advanced methods of geodetic prediction; feasibility study for satellite gradiometry, and satellite to satellite tracking.*
- 1968-1977 Research Associate at the Department of Planetary Geodesy, Institute of Geophysics, Polish Academy of Sciences, Warsaw, Poland. *Responsibilities: dynamic methods in satellite geodesy.*
- 1974 Visiting Scientist at the Geodetic Institute of Helsinki, Finland. *Responsibilities: determination of motion of artificial satellites.*
- 1971-1972 Visiting Scientist at the Astronomical Council of the Academy of Sciences of USSR in Moscow, at the State Astronomical Sternberg Institute in Moscow, and at the Institute of Theoretical Astronomy in Leningrad, USSR. *Responsibilities: satellite orbit computations; theoretical study on celestial mechanics.*

Professional Service

Past service:

- 1969-1978 Secretary of the editorial board of the journal "Artificial Satellites" run by the Space Research Committee of the Polish Academy of Sciences.
- 1973-1975 Scientific Secretary of the Space Research Committee of the Polish Academy of Sciences
- 1979-1983 as well as of the Polish National Committee for COSPAR.
Responsible for international coordination of space projects.
- 1987-1991 Member of the International Gravimetric Bureau.
- 1979-1995 Member of the Panel on Dynamics of Artificial Satellites and Space Probes at COSPAR.
- 1996-1998 External examiner for the Department of Surveying, School of Engineering, University of Zambia.

Recent service:

- 2000-present Member of the National Committee for Geodesy and Geophysics of the Polish Academy of Sciences.
- 2000-present Chief Editor of Astronomic Yearbook, Institute of Geodesy and Cartography, Warsaw, Poland.
- 2002-present Member of Working Group on Gravimetry of the Bureau International des Poids et Mesures in Paris.
- 2002-present Member of the Editorial Board of the journal "Geodesy and Cartography", Wilno, Lithuania.
- 2003-present Member of the Space Research Committee of the Polish Academy of Sciences.
- 2004-present Editor-in-chief of the quarterly journal "Geodesy and Cartography" of the Polish Academy of Sciences.

Membership and fellowship

- Member of the American Geophysical Union.
Fellow of the International Association of Geodesy.

Honors

- 1979 Special Prize of the Scientific Secretary of the Polish Academy of Sciences for scientific achievement in research on satellite gradiometry.
- 1994 Award "Excellence in Teaching" of the University of Natal, Durban, South Africa.
- 2003 Honorary Medal „For Merit to Geodesy and Cartography”.
- 2004 Award of the Minister of Infrastructure for completing the project on application of new definitions of reference systems for determination of Earth rotation parameters and determination of global geodetic reference systems.
- 2005 Gold Cross of Merit.

Publications

213 papers, technical reports and lecture notes on reference systems and frames, celestial mechanics, satellite geodesy, satellite positioning, physical geodesy, geodynamics, gravimetry, gravity field modelling, geoid determination, data processing, navigation and mathematical methods in geodesy.

Research interests

Wide variety of topics related to geodesy, reference systems, geodetic surveying, celestial mechanics, geodynamics, numerical methods, programming and computation techniques and related mathematical and analytical techniques, in particular space technologies related to the use of satellite to satellite tracking and satellite gradiometry in geodesy, modern geodetic positioning methods such as Global Positioning System and Inertial Surveying Systems, gravity field modelling in the global as well as the local scale, geoid determination, gravimetry, satellite orbit computation and satellite positioning systems for precise navigation and positioning, processing of geodetic data, processing of time series, in particular gravity and GPS solutions, as well as phenomenological modelling and metrological interpretation.

Activities related to the IUGG

1. Since 1987 – member of numerous Special Study Groups of IAG
2. 1982-1991 – Assistant Secretary of the IAG
3. Since 1991 – Fellow of the IAG
4. 1995-1999 – Representative of South Africa to the Commission VII "Recent Crustal Movements" of the IAG
5. 1999 and 2003 – Editor of the Polish National Report to IAG
6. Since 2000 – member of the Polish National Committee for IUGG
7. Since 2000 – National Correspondent of the IAG
8. Since 2002 – Representative of Poland to the EUREF Subcommission of the IAG
9. Since 2003 – Secretary of the Polish National Committee for IUGG
10. Since 2003 – member of the IAG
11. 2003 – Nationally Accredited Delegate to the 23 Council of IUGG (Sapporo)
12. 2003 – member of Audit Committee of IAG at the 23 Council of IUGG (Sapporo)

Warsaw, 22 September 2006

Jan Krynski