Wlodek Kofman Curriculum Vitae Grenoble, 2017

Education

Ecole Polytechnique de Varsovie (1962-1968)
Master of Science, Electronics Engineering (1968)
Mathematics at Warsaw University (1964-1968) (3 years of studies)
Docteur Ingénieur : Signal Processing (1972), Université de Grenoble (PhD thesis)
Docteur d'Etat Es-Science en Géophysique (1979) Institut National Polytechnique de Grenoble/ Université Joseph Fourier (degree after PhD thesis in France)

Current position:

Research Director at Centre National de la Recherche Scientifique (since 1976)
presently Research Director Emeritus at Centre National de la Recherche Scientifique
Professor at Space Research Center, Polish Academy of Science, Poland (2012-)
Distinguished Visiting Scientist at Jet Propulsion Laboratory, Caltech (2013 -)

Research and Professional Experience:

My research activity is concerned with issues of signal processing, plasma physics, study of high atmosphere, ionosphere and planetary surface and subsurface.
I'm also the PI (Principal Investigator) of the CONSERT experiment on ESA cornerstone mission ROSETTA.

Research fields:

Research on auroral ionosphere and thermosphere.
Experience and interest in experimental and theoretical ionospheric investigations using radio and radar techniques.
Space weather
Plasma physics.
Planetary sciences
Development and application of radar techniques to study glaciers and subsurface for planetary sciences.
Experience and interest in signal processing.
Referee to various journals : JASTP, JGR, Radio Science, GRL, Annales Geophysicae, Icarus, Signal Processing…)

Author of more than 180 publications (including reports)
Supervised 17 PhD theses

Distinctions

Asteroid 13368 has been named « Wlodekofman » to honor Wlodek Kofman as " principal investigator on the Rosetta mission's Consert experiment which will use the transmission of radio waves through the nucleus of comet 46P/Wirtanen to build up a three-dimensional image."

Honorary Fellowship of UK Royal Astronomical Society (2010)

NASA awards for contribution to the success of CLUSTER mission (2004)
ESA recognition for outstanding contribution to the ROSETTA mission (2004)
ESA recognition for outstanding contribution to the CLUSTER mission (2005)
ESA recognition for outstanding contribution to the Mars Express mission (2013)

Distinguished Visiting Scientist at Jet Propulsion Laboratory, Caltech (2013 -)

The Order of Légion d'Honneur for recognition of scientific work (2015)

The URSI France medal for contribution to remarkable advances in the field of radio science (2016).

Professional experience:

Principal Investigator of the CONSERT experiment of the ROSETTA mission (ESA).
Co-investigator on STAFF experiment of CLUSTER mission (ESA).
Co-investigator (responsible for development and simulation) on a subsurface radar (PRISM experiment) for MARS 98 mission.
Co-investigator on MARSIS experiment of Mars Express mission (ESA).
Co-investigator on LRS experiment of Selene (Kaguya) mission (JAXA).
Co-investigator on RIME experiment of JUICE mission(ESA).
Co-investigator on REASON experiment of EUROPA Clipper mission (NASA)
Participating in number of proposals to ESA and NASA.
Invited researcher at Cornell University (New York) (3 months in 1988 and 1 month in 1991)
Member of the EISCAT Science Advisory Committee (1984 – 1990)
Invited Professor at Western Ontario University (1 month in 1995)
Member of EISCAT Council (1991 – 2006)
Vice Chairmen of EISCAT Council (1994-1997)
Chairmen of the EISCAT Council (1997-1999)
Member of the working group which set the framework for, and promoted the project of a new incoherent scatter radar at Spitzbergen (1994-1996).
Director of Laboratoire de Planetologie de Grenoble (1999-2007)
Editor-in-Chief of Annales Geophysicae edited by The European Geosciences Union (2004 - 2010)
Visiting professor at Nagoya University (6 month in 2006)
Member of ESA Space Science Advisory Committee o (2009- 2012)
Science advisor at Direction de la recherche de l'Ecole Polytechnique in Paris (2008-2013)

Lectures at master and doctoral level; ionospheric physics, signal processing and planetology.

Professional associations:

American Geophysical Union
European Geophysical Union
Fellow of the Royal Astronomical Society UK since 1998
Publications:
http://scholar.google.com/citations?user=FxZjnW4AAAAJ&hl=fr