europass Curriculum Vitae

PERSONAL INFORMATION

Pavol Pavlo

WORK EXPERIENCE

2002-now — Deputy Director for International Collaboration
Institute of Plasma Physics AS CR, v.v.i., Za Slovankou 3, 182 00 Praha 8

1984-2002 — Researcher in Plasma Physics
Institute of Plasma Physics AS CR, v.v.i., Za Slovankou 3, 182 00 Praha 8

1997-2007 — Chief Editor, Czechoslovak Journal of Physics
Institute of Physics AS CR, Na Slovance 2, Praha 8 (the Publisher)

EDUCATION AND TRAINING

1980-1985 — CSc. in Plasma Physics (PhD equivalent)
Czechoslovak Academy of Sciences, Institute of Plasma Physics, Prague, Czech Republic

1973-1978 — Ing. (Master degree equivalent)
Faculty of Nuclear Science and Physical Engineering, Czech Technical University, Prague

ADDITIONAL INFORMATION

Professional Interests

Head of Research Unit and Representative of IPP.CR in EUROfusion General Assembly (2014-)
Head of Research Unit of the Association Euratom/IPP.CR (2005-2013)
Scientific Committee of Joint Varenna-Lausanne Intl. Workshop "Theory of Fusion Plasmas" (2007-)
Governing Board of Fusion for Energy (2007-)
Bureau, Czech Fusion Society (2014-)

Projects

Contract of Association Euratom/IPP.CR (Euratom #FU07-CT-2007-00060; 2007-2013)
Activities within the thematic area "fusion energy research" (MEYS #7G10072; 2011-2013)
Collaboration in Fusion Research on the joint European tokamak JET (MEYS #LG11018; 2011-2013)

Memberships

Scientific and Technical Committee Euratom (2013-)
Academy Assembly of the Academy of Sciences of the Czech Republic (2002-)
Consultative Committee Euratom – Fusion (2010-2013)
EFDA Steering Committee (2007-2013)
Scientific Board, Faculty of Nuclear Sciences and Physical Engineering, CTU Prague (2004-2013)
Council for Support of ASCR Participation in European Integration of R&D (2004-)

Publications and Patents

Petržílka V., Fuchs V., Gunn J., Fedorczak N., Ekedahl A., Goniche M., Hillairet J., Pavlo P.: Theory of fast particle generation in front of LH grills. Plasma Physics and Controlled Fusion 53 5 (2011) 054016-054016.

Urban J., Preinhaelter J., Diem S.J., Laqua H.P., Pavlo P., Shevchenko V., Taylor G., Vahala G., Vahala L., Valovič M.: EBW simulations in experimental context. Journal of Plasma and Fusion Research SERIES 8 - (2009) 1153-1157.

Seidl J., Krlín L., Pánek R., Pavlo P., Stöckel J., Svoboda V.: Simulations of anomalous ion diffusion in experimentally measured turbulent potential. European Physical Journal D 54 2 (2009) 399-407.

Other Relevant Information

Research interests include non-inductive current drive and turbulence modelling