Curriculum vitae

Vojtěch Svoboda

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Date of birth March 11, 1967.

EDUCATION:

1985-1990 Faculty of Nuclear Sciences and Physical Engineering, Czech Technical University Prague (FNSPE CTU Prague).

– 1988 17th November Scholarship for an exceptional effort.

– 1988 Czechoslovak Science-technology Society Award for the Thesis on Charged Coupled Devices.

1990 Diploma thesis at the Department of Physical Electronics: "Diagnostic of laser plasma by the CCD camera".

2001 Ph.D. at the Institute of Plasma Physics:"Anomalous Diffusion of Ions in a $\mathbf{E} \times \mathbf{B}$ Time Dependent Fields".

EXPERIENCE:

1991- Full Time Job at the Department of Physics, FNSPE CTU Prague:

Teacher of the basic physics courses:

- Mechanics.
- Electricity and Magnetism.
- Experimental laboratory.

Projects:

- 1997- Physics seminar for undergraduate students http://fyzsem.fjfi.cvut.cz.
- 1999- Physics week for high school students http://tydenvedy.fjfi.cvut.cz.
- Member of MSMT Research Plan No:MSM 210000018: Mathematical Methods and Fundamental Experiments in the Physics of Microworld.
- Member of MSMT Research Plan No:MSM 6840770039: Mathematical, Computer and Experimental Methods in Physics.
- 2005 Education specialization guarantor "The Physics and Technology of Thermonuclear Fusion" at the Czech Technical University http://fttf.fjfi.cvut.cz .
- 2006-2009 Tokamak CASTOR relocation.
- 2009- Chief engineer of the GOLEM tokamak for fusion education at the Czech Technical University, http://golem.fjfi.cvut.cz.

Honours and awards:

2001 Czech Technical University Rector's appreciation for an exceptional effort.

2017 Faculty of Nuclear Sciences and Physical Engineering Dean's 2nd Class Medal for the Faculty development Merit.

1993-2006 Part time job at the Institute of Plasma Physics, Czech Academy of Sciences:

1993-1995 Experimental activity on Castor Tokamak.

1995-1999 Numerical modeling of particle transport in the $\mathbf{E} \times \mathbf{B}$ stationary field.

1999-2005 Anomalous diffusion in a time depending fields.

2006-2008 Application of the Minimum Fisher Information inverse methods in the JET neutron cameras and compact spectrometers data analyses.

GRANTS RECEIVED (as co-investigator):

Grant Agency of the Academy of Sciences of the Czech Republic, 2002-2004: Anomalous diffusion of particles in low frequency plasma turbulence and in systems of magnetic islands.

Advancement program of the Ministry of Education of the Czech Republic 2004: University of the Third Age at the FNSPE CTU Prague.

Advancement program of the Ministry of Education of the Czech Republic 2006,2007: New education specialization at the FNSPE CTU Prague: "The Physics and Technology of Thermonuclear Fusion".

Advancement program of the Ministry of Education of the Czech Republic 2009: Tokamak GOLEM for fusion education.

FUSENET 2008-2013: Fusion Education Network

IAEA technical contract 2012-2016 CRP F1.30.14 on "Utilization of the Network of Small Magnetic Confinement Fusion Devices for Mainstream Fusion Research ".

PERSONALS:

- Married, daughter, 2x son.
- Hobby: violin, guitar, sport, tourism.

CITATION METRICS (Relevant publications@ResearchID: last 20 years):

- Total Articles in Publication List: 21
- Articles With Citation Data: 21
- Sum of the Times Cited: 39
- Average Citations per Article: 1.86
- h-index: 4

Selected publications

[1] O. Grover, J. Kocman, M. Odstrcil, T. Odstrcil, M. Matusu, J. Stockel, V. Svoboda, G. Vondrasek, and J. Zara. Remote operation of the GOLEM tokamak for fusion education. *Fusion Engineering and Design*, 112:1038–1044, 2016.

[2] M. Gryaznevich, G. Van Oost, J. StĂśckel, R. Kamendje, B.N. Kuteev, A. Melnikov, T. Popov, V. Svoboda, and The IAEA CRP Teams. Contribution to fusion research from iaea coordinated research projects and joint experiments. *Nuclear Fusion*, 55(10):104019, 2015.

[3] T. Markovic, M. Gryaznevich, I. Duran, V. Svoboda, and R. Panek. Development of 3d ferromagnetic model of tokamak core with strong toroidal asymmetry. *Fusion Engineering and Design*, 96-97:302–305, 2015.

[4] V. Svoboda, J. Kocman, O. Grover, J. Krbec, and J. Stockel. Remote operation of the vertical plasma stabilization @ the GOLEM tokamak for the plasma physics education. *Fusion Engineering and Design*, 96-97:974–979, 2015.

[5] T. Odstrcil, M. Odstrcil, O. Grover, V. Svoboda, I. Duran, and J. Mlynar. Low cost alternative of high speed visible light camera for tokamak experimentsa). *Review of Scientific Instruments*, 83(10):–, 2012.

[6] M. Gryaznevich, V. Svoboda, J. Stockel, A. Sykes, N. Sykes, D. Kingham, G. Hammond, P. Apte, T.N. Todd, S. Ball, S. Chappell, Z. Melhem, I. Duran, K. Kovarik, O. Grover, T. Markovic, M. Odstrcil, T. Odstrcil, A. Sindlery, G. Vondrasek, J. Kocman, M.K. Lilley, P. de Grouchy, and H.-T. Kim. Progress in application of high temperature superconductor in tokamak magnets. *Fusion Engineering and Design*, 88(9-10):1593 – 1596, 2013.

[7] V. Svoboda, B. Huang, J. Mlynar, G.I. Pokol, J. Stockel, and G Vondrasek. Multi-mode Remote Participation on the GOLEM Tokamak. *Fusion Engineering and Design*, 86(6-8):1310–1314, 2011.

Prague, January 15, 2018