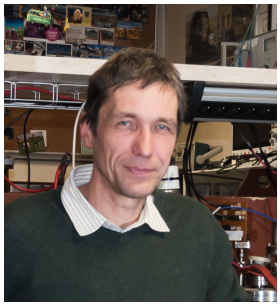
Curriculum vitae



Vojtěch Svoboda

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:

- 1991-2000 Mechanics.
- 1991-2000 Electricity and Magnetism.
- 1995-2005 Experimental laboratory.

Educational Projects:

- 1997-2024 Physics seminar for undergraduate students http://fyzsem.fjfi.cvut.cz.
- 1999- Physics week for high school students http://tydenvedy.fjfi.cvut.cz.
- 2005- University of third age http://fyzu3v.fjfi.cvut.cz.
- 2005- Co-guarantor of educational specialization "The Physics and Technology of Thermonuclear Fusion"/"The Physics of Plasma and Thermonuclear Fusion" at the Czech Technical University http://physics.fjfi.cvut.cz/index.php/cs/studium/fptf .
- 2009- Chief engineer of the GOLEM tokamak for fusion education at the Czech Technical University, http://golem.fjfi.cvut.cz.

Supervision:

Bachelor project 2011 Jindřich Kocman: Feedback Plasma position control on the tokamak GOLEM.

Bachelor project 2014 Richard Duban: Plasma flow velocity measurements on the tokamak GOLEM using Mach probe array diagnostics.

Bachelor project 2014 Bořek Leitl: Bolometric diagnostics at the tokamak GOLEM

Bachelor project 2014 Martin Matušů: Virtual model of tokamak GOLEM with a real physical core.

Bachelor project 2018 Petr Mácha: Edge plasma parameter measurements of the GOLEM tokamak using ball-pen and Langmuir probe.

Master thesis 2015 Jindřich Kocman: Plasma position control on the tokamak GOLEM.

Master thesis 2019 Bořek Leitl: Tomographic reconstruction of plasma radiation profile at the tokamak GOLEM.

Master thesis 2020 Petr Mácha: Edge plasma studies in tokamaks by the mean of advanced electric probes.

PhD supervision 2022- Ing. Marek Tunkl: Runaway electron interactions studies at the GOLEM tokamak.

PhD supervision 2022- Ing. Lukáš Lobko: Runaway electron studies at the GOLEM tokamak.

PhD supervision 2023- Ing. Štěpán Malec: Runaway electron studies at the GOLEM tokamak.

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.

1993-2005 Part time job at the Institute of Plasma Physics, Czech Academy of Sciences:

1993-1995 Experimental activity on the Castor Tokamak.

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

1999-2005 Anomalous diffusion in a time depending fields.

GRANTS RECEIVED (selection, as co-investigator):

- FUSENET 2008-2013: Fusion Education Network
- IAEA research contract F13019, "Network of Small and Medium Size Magnetic Confinement Fusion Devices for Fusion Research", 2018-2022
- Grant Agency of the Czech Technical University in Prague, grant No. SGS22/175/OHK4/3T/14, Research of the Magnetic Field Confinement in Tokamak
- GA18-02482S "Radiation processes generated by runway electrons in tokamaks", of the Czech Science Foundation
- EUROfusion "Joint Fusion Program" consortium 2014-2020.
- Horizon "Implementation of activities described in the Roadmap to Fusion during Horizon Europe through a joint programme of the members of the EUROfusion consortium (EUROfusion)" 2021-
- Operational programs RDE CZ.02.1.01/0.0/0.0/16_019/0000778: Centre of Advanced Applied Sciences 2018-2023.
- Scientific and Education Activities on the GOLEM Tokamak in the Framework of the IAEA CRP, national code: IAEA Research Contract No.22782.
- Laboratory of hot plasma and fusion technologies PlasmaLab@CTU, national code: EF16_017/0002248.
- International Doctoral Program in High Temperature Plasma and Nuclear Fusion, national code: EF16_018/0002247.
- Radiation processes generated by runaway electrons in tokamaks, national code: GA18-02482S.

PERSONALS:

- Divorced, daughter Barbora, sons Jakub and Šimon.
- Hobby: culture, violin, viola, guitar, sport, tourism, dance.

Scopus Metrics overview:

- 68 documents by author.
- 268 citations by 177 documents.
- 8 h-index.

Prague, October 30, 2024