

prof. Mgr. Petr Páta, Ph.D.

Summary

Born	May 16, 1973, Prague, CZ
Employment history	1998-present: Faculty of Electrical Engineering, Czech Technical University in Prague
Current position	Dean of the Faculty of Electrical Engineering, Czech Technical University in Prague.
E-mail	pata@fel.cvut.cz
Website	www.petrpata.cz

Education

2018	Professor , Radioelectronics
2010	FEE CTU in Prague, doc. (Associate Professor), Radioelectronics
2002	FEE CTU in Prague, Ph.D. , Radioelectronics
1996	Faculty of Mathematics and Physics, Charles University in Prague Mgr. (M.Sc.) , physics

Research and Scientific Achievements

Research interests	image photonics, scientific image data compression, acousto-optic and optical systems with spatially variant PSF, hyperspectral imaging
ResearcherID	D-5817-2013
ORCID	0000-0002-6561-9088
SCOPUS ID	6701724174
Publications	Author or coauthor more than 150 papers
h-index	WOS: 12 (826 citations) SCOPUS: 12 (941 citations) GOOGLE SCHOLAR: 15 (1492 citations)
Projects	PI and co-PI international projects (FP7, European Space Agency), national projects (GAČR, MPO), and member of team of many national and international projects (GAČR, MŠMT ČR, NAKI, ESA, FP7 and others).

Professional profile

- **Dean of the Faculty of Electrical Engineering**, Czech Technical University in Prague (since 2019).
- Academic experience: participation in research projects (FEE CTU in Prague, since 1994), secretary of the department, deputy head of the department, head of the department.
- **Technical manager of the THETIS** (project (European Space Agency) – design of the Thermal Hyperspectral Imaging System.
- **Member of the international BOOTES** (Burst Optical Observer and Transient Exploring System) team (since 1996).

- **Leader of the MAIA** (Meteor Automatic Imager and Analyser) **project** (FEE CTU in Prague).
 - **Supervisor of the WILLIAM** (Wide-field aLL-sky Image Analyzing Monitoring system) **project**.
 - **Member of the Czech team** (Optical Monitor Camera) **for the ESA** INTEGRAL satellite (launch 2002).
 - **Chair of the Czech and Slovak Society for Photonics**.
 - **Member of the Institute of Electrical and Electronics Engineers**, Optical Society of America (Optica).
 - **Member of the Scientific Advisory Committee European Optical Society**.
 - **Member of the Scientific Councils of CTU in Prague**, FEE CTU in Prague, FEKT VUT in Brno.
 - **Member of the Council of the Astronomical Institute**, The Czech Academy of Sciences (until 2021)
 - **Member of the Supervisory Board of the Astronomical Institute**, The Czech Academy of Sciences (since 2022)
 - **Member of the Academy Assembly**, Czech Academy of Sciences.
 - **Member of the IMEKO TC2 Photonics international committee**.
 - **Vice chair of the PRODEX CPC** (European Space Agency) committee of the Ministry of Education Youth and Sports and the Ministry of Transportation.
 - **Member of the COSPAR** national committee.
 - **Vice chair of the branch Radioelectronics of the doctoral study EEIT** (FEE CTU in Prague)
 - **Member of the program committee: 8 international** (SPIE, IEEE, and other) and 4 national conferences.
 - **Member of the organizing committee: 5 international** (SPIE, IEEE, IMEKO, and other) and 4 national conferences.
 - **Ad hoc reviewer for IF journals**: Optic Express, Sensors, Photonic, Results in Optics, Remote Sensing, Optics Communication, Experimental Astronomy, Radioengineering.
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Professional profile

- **Image photonics and technology, optics, multimedia technology** (FEE CTU in Prague).
 - Lectures in Optics (FAMU AMU in Prague).
 - Supervisor of the 48 diploma theses and 27 bachelor theses.
 - Guarantee of the master study branch **Audiovisual technology and signal processing** of the study program Electronics and Communication (FEE CTU in Prague).
 - Chairperson of the branch section **Radioelectronics** of the doctoral study program Electrical Engineering and Communication (FEE CTU in Prague).
 - 7 successfully defended doctoral theses with focus on selected topics of the image photonic.
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Selected projects (last 5 years)

- Co-PI, **IRCAPOL – Thermal Infrared Polarizing Camera**, European Space Agency, 2023-2026.
 - Co-PI, **Meteor clusters: An evidence for fragmentation of meteoroids in interplanetary space**, GAČR, 2020 - 2023.
 - Member of the team, **IAPETHOS Infrared Advanced Polarizer for Space and Other Applications 2**, European Space Agency, 2016-2022.
 - Co-PI, **Calomel-Based TIR Optical AOTF breadboarding**, European Space Agency, 2016-2020.
 - Co-PI and Technical Manager, **THETIS (Thermal Hyper-spectral Imaging System Breadboard Requirement Definition and Design)**, European Space Agency, 2016 - 2017.
 - PI, **Multicriteria Optimization of Shift-Variant Imaging Systems**, GAČR, 2017 – 2019.
 - Co-PI, **Real time video detection of persons in tunnels**, MPO TRIO, 2017 – 2019.
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Other activities

- Founder, Chairperson, and Head Leader **Duha Jasmín** (children and youth organization), January 1996 – Present
- **Founder and long-term head leader of a youth group focused on organizing educational**, recreational, and inclusive programs for children and adolescents, particularly those with social and health disadvantages.
- Volunteer, leader of leisure activities, project coordinator Volunteer, leader of leisure activities, project coordinator, head of the education centre, active in the board and president of the association from 2005 to 2011
- Duha, association of children and young people for leisure, nature and recession
- Honored with the Poutník za Duhou award and the Březový lístek, 8th degree, for long-standing commitment and outstanding contributions to youth development.