

Ondřej Tichý, Curriculum Vitae

BORN	30.11.1985 in Hradec Králové, Czech republic	
PROFESSIONAL CONTACT INFORMATION	Pod Vodárenskou Věží 4 18208, Prague 8 Czech republic	<i>Telephone:</i> 266052307 <i>Email:</i> otichy@utia.cas.cz
EDUCATION	Czech Technical University, Faculty of Nuclear Sciences and Physical Engineering, Prague, Czech republic	
	Ph.D. degree, Mathematical Engineering,	2010 – 2015
	<ul style="list-style-type: none">• Doctoral thesis: “Bayesian Blind Source Separation in Dynamic Medical Imaging”• Supervisor: doc. Ing. Václav Šmídl, Ph.D.	
	Bc. (equiv. to BSc.) and Ing. (equiv. to M.Sc.), Engineering Informatics,	2005 – 2010
	<ul style="list-style-type: none">• Master thesis: “Integral models for dynamic renal scintigraphy”• Supervisor: Ing. Václav Šmídl, Ph.D.	
	Czech Technical University, Masaryk Institute of Advanced Studies, Prague, Czech republic	
	Bc. (equiv. to BSc.), Technical Teacher Education,	2010 – 2013
	<ul style="list-style-type: none">• Bachelor thesis: “Model preparation for technical subject teaching”• Supervisor: Ing. Pavel Andres, Ph.D.	
PROFESSIONAL EXPERIENCE	Institute of Information Theory and Automation, Czech Academy of Sciences,	
	<i>Ph.D. student (till 2015) and postdoctoral researcher (since 2016)</i>	2010 – now
	<ul style="list-style-type: none">• Research in topics related to blind source separation problems and linear inverse problems in atmospheric modeling	
	National Radiation Protection Institute,	
	<i>Research engineer and developer</i>	2013 – now
	<ul style="list-style-type: none">• Tools development for Hazardous Radioactivity Propagation (HARP) model	
	College of Polytechnics Jihlava,	
	<i>Lecturer</i>	2017 – now
	<ul style="list-style-type: none">• Programing of technical computations	
	Faculty of Informatics, CTU,	
	<i>Lecturer</i>	2018 – now
	<ul style="list-style-type: none">• Bayesian methods in machine learning	
	Faculty of Nuclear Sciences and Physical Engineering, CTU, Department of Mathematics,	
	<i>Tutorials teaching in:</i>	2008 – 2014

- Principles of Algorithms (2009, 2010, 2011, 2012)
- Programming in C++ 1 (2009)
- Principles of Programming (2010, 2011, 2012)
- Calculus (2012, 2013, 2014)
- Teaching within university of the third age (basic and advance computers, 2008–2013)

RESEARCH INTERESTS Bayesian approximation and statistics, modeling of uncertainty, analysis of dynamic medical data, linear inverse problems in atmospheric modeling, teaching

SUPERVISION ACTIVITIES

- Bachelor thesis: Lenka Bódiová (2016), Karel Hybner (2017), Danil Isyanov (in process)
- Master thesis: Lenka Bódiová (2018), Karel Hybner (in process)

COMPUTER SKILLS

- Languages: Pascal, C, C++, Perl, Python
- Math & science software: Matlab, Maple, Mathematica
- Applications: L^AT_EX, LyX, MS Office (ECDL certificate)

AWARDS AND SCHOLARSHIPS

- Best paper award (1st place) at the Institute of Information Theory and Automation in 2015
- Rektorys Award in Applied Mathematics (2nd place in 2012, 1st place in 2014)
- Stanislav Hanzl Foundation scholarship for CTU students (in 2011, 2012, 2013, 2014)
- Werner von Siemens Excellence Award 2010 (master thesis, 1st place)
- Silver plaque of prof. MUDr. Jan Jánký (blood donation)

REFERENCES References are available upon request.