

Jiří Dvořák - personal information

Contact

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Institution

- 1) Department of Probability and Mathematical Statistics, Faculty of Mathematics and Physics, Charles University in Prague (01/2015–today).
- 2) Department of Image Processing, Institute of Information Theory and Automation of the AS CR, Prague (10/2010–today).

Research interests

Spatial point processes and parameter estimation, random field theory, local stereology, image processing, analysis of medical images.

Education

2005–2014: Charles University in Prague, Faculty of Mathematics and Physics

September 2014 – Ph.D. in Probability and Mathematical Statistics.

topic: *Statistical inference for spatial and space-time Cox point processes.*

supervisor: RNDr. Michaela Prokešová, Ph.D.

September 2010 – Master's degree in Probability, Mathematical Statistics and Econometry.
topic: *Influence of injection dose and body parameters on PET image quality by means of Monte Carlo simulations.*

supervisor: Mgr. Jiří Boldyš, Ph.D.

Language skills

English – CEFR-level C1 (Certificate in Advanced English issued by University of Cambridge)

Danish – CEFR-level A1 (certificate issued by the Danish Ministry for Integration)

German – passive knowledge

Further experience

01/2016: Research stay at School of Business Administration, University of Miami, Miami, USA. Working with prof. Yongtao Guan on problems related to parameter estimation for cluster point processes.

06/2014–07/2014: Research stay at Institut für Mathematik, Universität Augsburg, Augsburg, Germany. Working with prof. Lothar Heinrich on asymptotic problems in statistics for spatial point processes.

01/2012–06/2012: Research stay at Department of Mathematical Sciences, Faculty of Science and Technology, Aarhus University, Aarhus, Denmark. Working on project “Computational stereology” under supervision of prof. Eva B.V. Jensen.