

Jindřich Soukup

Curriculum Vitae

Institute of Information Theory and Automation (ÚTIA) of ASCR
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Education

PhD, Digital image processing

Charles University at Prague, 2011 - present.
Advisor: Filip Šroubek

MS, Mathematical modelling

Charles University at Prague, 2009 - 2011.
Thesis advisor: Rudolf Hrach.
Title: Computational study of initial stages of metal film growth.

BS, Physics

Charles University at Prague, 2005 - 2009.
Thesis advisor: Ivan Barvík.
Title: Molecular dynamics simulations of protein structures.

Date of birth

January 20, 1986 in Brandýs nad Labem, Czech Republic.

Affiliation

PhD student (Oct 2011 - present) at Department of Image Processing, Institute of Information Theory and Automation, Academy of Sciences of the Czech Republic, Prague, Czech Republic.

Research worker at South Bohemian Research Center of School of complex systems, Faculty of Fisheries and Protection of Waters, University of South Bohemia in České Budějovice, Nové Hrady, Czech Republic.

Research Interests

All aspects of digital image processing and pattern recognition, in particular denoising, segmentation and deconvolution. Its application in art investigation and conservation, biology and thin film physics. Statistical methods, numerical analysis.

Teaching Experience

Courses of Image processing and recognition I, II (practicals), Faculty of Nuclear Sciences and Physical Engineering, Czech Technical University in Prague, (2012)

Courses of Mathematical analysis for physicists I, II (practicals), Faculty of Mathematics and Physics, Charles University at Prague, (2010 - 2011)

Informatics, Secondary School for hearing impaired (2006 - 2009)

Organizing of the Correspondence Seminar for high school students (WWW: <http://mam.mff.cuni.cz/>) (2005 - 2009)

Language skills

Czech (mother tongue), fluent English, fair German, basic Czech sign language.

Computer skills

Programming using R, Matlab, Mathematica, Java and Pascal. Typesetting with L^AT_EX. Experiences with html, php, sql.

Reference

Available at request.