

Structured Curriculum Vitae



Jiří Roubal

Date and place of birth: January 16th 1978, Louny, Czechoslovakia (today the Czech Republic)

Temporary Address: Czech Republic

Permanent Address: Czech Republic

Education:

9/1992 – 6/1996 SPŠ Chomutov
9/1996 – 2/2002 Cybernetics and Control Engineering
Faculty of Electrical Engineering
Czech Technical University in Prague
▪ *Diploma thesis:* Nonlinear Control of Pendulum
▪ http://support.dce.felk.cvut.cz/pub/roubalj/science/diplom/index_en
3/2002 – 12/2006 Ph.D. studying at
Department of Control Engineering
Faculty of Electrical Engineering
Czech Technical University in Prague
▪ *PhD thesis:* Model Predictive Control of 2D Systems

Other Education:
April 2004

Short Course on Model Predictive Control by Prof. Dr. Manfred Morari at the Automatic Control Laboratory of the Swiss Federal Institute of Technology Zurich, Switzerland.

Work Experience:

2002 – 2009

education practice in subjects at Department of Control Engineering, CTU in Prague, FEE

- *seminars:* Systems and models, Systems and control, Theory of dynamical systems, Modern control theory, Estimation and filtering, Modelling and simulation of systems
- *lectures:* Modern control theory, Principles of system control
- *English lectures:* Space Systems, Modelling and Identification (in SpaceMaster project www.spacemaster.se), Modern Control Theory (in Erasmus project)
- *bachelor theses:* 20
- *diploma theses:* 6

- *book Regulační technika v příkladech*

2002 – 2009

science practice

- participation in international conferences (ECC, IFAC, IEEE, MED)
- articles in journals: (2 educational, 1 scientific)
 - Roubal J., Hušek P., Štecha J. *Linearization: Students Forget the Operating Point*; JOURNAL IEEE Transaction on Education, Vol. 53, No. 3, 2009, pp 413-418.
 - Roubal J., Augusta P., Havlena V. *A Brief Introduction To Control Design Demonstrated On Laboratory Model Servo DR300 – AMIRA*; JOURNAL Acta Electrotechnica et Informatica, Vol. 5, No. 4, 2005, pp 24-29, Košice, Slovenská Republika.
 - Štecha J., Havlena V., Roubal J., *Control of System Represented by Multiple Model*; JOURNAL of Electrical Engineering, Vol. 56, No. 11-12, 2005, pp 281-289, Bratislava, Slovenská republika.

2003 – 2004

participation in TALENT project (coordinated education of Ph.D. students in control engineering and robotics)

2003 – 2005

participation in project KONTAKT (cooperation with Technical University of Košice)

2005 – 2008

participation in Advanced control and optimization for power generation project (cooperation with Honeywell Prague Laboratory)

2007 – 2009

head of Laboratory of automatic control theory

<http://support.dce.felk.cvut.cz/lab26/> – website of the laboratory
in bachelor work, all laboratory models are working

Other skills and studies:

Languages
Software

English (30%), Russian (10%), Czech (mother tongue)
Matlab, LaTeX, HTML, PHP/MySQL

Others

Driving licence A, B, T

Hobbies:

- sports (tennis – captain of Faculty of Electrical Engineering team, cycling, volleyball, football, ice hockey, skiing, hiking)
- teaching
- Jara Cimrman Theatre
- Spejbl and Hurvínek Theatre
- playing the piano
- studying
- garden flowers
- astrophysics (stars, Sun system)