

Curriculum Vitae

Personal Data

Dmitriy Shutin, Dipl.-Ing., Dr.techn.



- Date of birth** ▷ 19 September, 1978
- Residence** ▷ Otto-Loewi Gasse 8,
A-8042 Graz, Austria
- Nationality** ▷ Austrian
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Education

School education

- 09.1985– 06.1995** ▷ Secondary school with specialization in Informatics, Mathematics and Physics, Dnepropetrovsk, Ukraine.

Graduate and Undergraduate studies

- 05.2001– 12.2006** ▷ Doctoral studies in Electrical Engineering at Graz University of Technology, Austria.
Thesis title *“Tracking and prediction of multipath components for Wireless MIMO channels”*.
Grade: Excellent.
- 09.1995 – 07.2000** ▷ Bachelor and Master studies in Electrical Engineering with focus on Signal and Image Processing for Biomedical Applications, Faculty of Radiophysics at Dnepropetrovsk State University, Dnepropetrovsk, Ukraine.
Thesis title: *“Classification of textures and stochastic signals based on a wave-packet decomposition in a feature space of Volterra kernels”*.
Grade : Excellent.

Professional experience & activities

Approved and submitted research proposals

- 06.2008**
 - ▷ National Research Network: Signal and Information Processing in Science and Engineering (SISE). Subproject: Nonlinear Dynamics and Machine Learning. A subproject budget of €270.000 is granted for a period of 3 years. Funding institution: Austrian Science Fund (FWF).
- 02.2008**
 - ▷ (submitted) Erwin Schrödinger International mobility fellowship. Project: Distributed Learning in *Ad Hoc* Wireless Sensor Networks. Funding institution: Austrian Science Fund (FWF). Decision is to be finalized on 24.06.2008
- 12.2003**
 - ▷ Research scholarship for a short research stay (4 month) in Aalborg University, Denmark. Funding institution: Austrian Ministry of Education, Science, and Culture, and Austrian Research Foundation. The total budget: €1534.

Professional activities

- 08.2005**
 - ▷ Cooperation with the Transcription department at the Institut de Génétique et de Biologie Moléculaire et Cellulaire (IGBMC), Strassbourg, France. Quantitative analysis of human transcription/DNA repair factor TFIIH based on confocal microscopy data
- 01.2003 – 04.2003**
 - ▷ Guest researcher with the Department of Communication Technology under the supervision of Bernard Fleury, Aalborg University, Denmark
- 07.2000 – 04.2001**
 - ▷ Software development and data warehouse administration for the "ABV-Technika" corporation, Dnepropetrovsk, Ukraine
- 01.1999 – 12.1999**
 - ▷ Research assistant in the project "Computer-based methods for gastritis classification", Faculty of Radiophysics, Dnepropetrovsk State University, Ukraine
- 01.1998 – 04.1999**
 - ▷ Software developer and research assistant in the project "Children of Chernobyl", Faculty of Medicine, Dnepropetrovsk State University, Ukraine

Awards

- 12.2005**
 - ▷ "Best Student Paper Award" at the International Conference on Information, Communication, and Signal processing (ICICS'05), Bangkok, Thailand.

Teaching experience & professional trainings

Teaching experience

- Lecturing** ▶ Fundamentals of Continuous- and Discrete-time Signal Transformations (2nd-semester course, \approx 350 students. Course language: German)
- Problem classes** ▶ Fundamentals of Continuous- and Discrete-time Signal Transformations (\approx 350 students. Course language: German), Digital Signal Processing, Nonlinear Signal Processing (\approx 30 students per course. Course language: English)
- Laboratories** ▶ Digital Signal Processing (Texas Instruments DSPs), Speech Communication (\approx 30 – 60 students. Course language: German)
- Seminars** ▶ Advanced Signal Processing Seminar (\approx 10 students. Course language: English)
- Other** ▶ Supervision of study projects and graduation works.

Professional trainings

- 10.2003– 01.2004** ▶ Professional development course “Critical Discussions” at Graz University of Technology
- 04.2003– 06.2003** ▶ Professional development course “Meeting and Negotiations” at Graz University of Technology
- 06.2002** ▶ NATO Advanced Study Institute on Learning Theory and Practice (LTP 2002), Katholieke Universiteit Leuven, Leuven, Belgium
- 03.2002** ▶ Texas Instruments Workshop on DSP TMS320C600, Graz, Austria

Additional information

List of referees

- Prof. Gernot Kubin** ▶ Graz University of Technology, Inffeldgasse 12, A-8010, Graz, Austria. email: gernot.kubin@tugraz.at, tel: +43 316 8734430
- Prof. Bernard Fleury** ▶ Aalborg University, Fredrik Bajers Vej 7A, DK-9220 Aalborg, Denmark. email: bfl@kom.aau.dk, tel: +45 9635 8629

Additional information

- Language Proficiency** ▶ Russian(mother tongue),
Ukrainian (fluent),
English (fluent),
German (fluent)
- Programming and software skills** ▶ Matlab,
Mathematica,
C, C++
- since 2003** ▶ Member of IEEE Signal Processing society