Jan Schier – Curriculum Vitae

Education

- Ph.D. 1995 thesis *Parallel Algorithms for Robust Adaptive Identification and Square-Root LQG Control Synthesis*, supervisor Miroslav Kárný, DrSc., MSc., Czech Technical University, Faculty of Nuclear and Physical Sciences

- M.S. (Technical Cybernetics) 1989, Czech Technical University, Faculty of Electrical Engineering

Research Employment

- Current: research fellow Institute of Information Theory and Automa- tion, Academy of Sciences of the Czech Republic, Prague (since 1995)

- 1998-2002 Department Elektrotechniek (ESAT), Katholieke Universiteit Leuven (KUL), Belgium. Research and experimental fixed-point implementation of per-tone equalization algorithms for ADSL modems (research group of Prof. Marc Moonen)

- 1995-1997 Faculty of Electrical Engineering, Mathematics and Informatics (EWI), Delft University of Technology, the Netherlands. Several research stays with total length of 14 months. Research of signal processing algorithms for a multistatic FM-CW radar (in cooperation with the IRCTR laboratory)

Professional activities

- 2018 Doctoral Consortium Chair, BIOSTEC conference, 2015 and 2014, Program co-chair of the BIOIMAGING conference, Program Chair of the BIOINFORMATICS 2012 conference (all organized by INSTICC, Portugal)

- Reviewer of several international journals (Signal Processing Journal, EURASIP Journal on Applied Signal Processing, Journal of Real-Time Image Processing) and conferences

- Member of the ACM

Dissemination activities

- Supervision of secondary-school students in the frame of the "Open science" program of the Academy of Sciences.

- Participation at the UTIA stand at the "Science Fair" popularization event (Prague, CZ).

H-index

Scopus: 4, WoS: 3

Funding ID

- Investigator of the national grant TACR TH03010330 "BOREC – Color Image in Realtime Embedded Computing" 2018–2020. Principal investigator of the national grant TACR TA01010931 "GenEx - Support System for the FISH Method Evaluation" 2011–2014.

- Team member of the TACR TA04011392 project "Early ultrasound detection of breast cancer" 2014–2017.

Achievements Track-Record

Awards

- Conference paper "Automated counting of yeast colonies using the Fast Radial Transform algorithm" awarded the Best paper award at the INSTICC BIOINFORMATICS 2011 conference.

- Price of the Academy of Sciences of the Czech Republic for the scientific achievement "Theory and Algorithms for Fast and Parallel Bayesian Signal Processing", 1996.

Software

- "Yeast Colony Counter" – stand-alone tool for automated evaluation of yeast colony coverage in Petri dishes.

- "IsletJ" – ImageJ plugin for evaluation of microscopy images of Langerhans islets crafts.

Publications

See the full list of publications at http://www.utia.cas.cz/node/467/Schier/Jan