

PERSONAL INFORMATION

Florin Stoican



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Sex Male | Date of birth 16/07/1984 | Nationality Romanian

EDUCATION AND TRAINING

01/11/2008–06/10/2011

PhD thesis

EQF level 8

École Supérieure d'Electricité (SUPÉLEC), Gif-sur-Yvette (France)

- title: Fault tolerant control based on set-theoretic methods
- supervisor: Sorin Olaru
- grant: financed through the Carnot C3S Institute
- jury: R. Bitmead (reviewer), P. Boucher, E. Cruck, J.A. DeDona, L. Dugard, J. Maciejowski (reviewer), H. Mounier, S. Olaru

01/10/2003–15/09/2008

Engineering degree

EQF level 6

POLITEHNICA University of Bucharest, Bucharest (Romania)

- Automatic Control and Computer Science faculty
- specialization: System Engineering
- licence diploma: "Multisensor control systems", through an Erasmus mobility at SUPELEC, Gif sur Yvette, France

WORK EXPERIENCE

01/04/2013–Present

Associate Professor

Automatic Control and Systems Engineering Department, UPB, Bucharest (Romania)

- Habilitation Thesis "Set-theoretic methods in control. Applications to fault tolerant control and motion planning", confirmed through Order 5500/14.11.2018
- 1/04/2013 - 30/09/2016 Assistant Professor
- lecturer for the Bachelor classes "Tehnici de Calcul în Automatică și Informatică" and "Modelare și Simulare" and of the Master class "Autonomous Agents";
- coordinator for Bachelor (17), Master (3) diplomas and Erasmus placements (2).

01/05/2014–07/12/2015

postdoctoral fellowship

POLITEHNICA University of Bucharest, Bucharest (Romania)

- supervisor Cristian Oara
- grant financed through the program POSDRU/159/1.5/S/132395

01/11/2011–30/10/2012

postdoctoral fellowship

NTNU, Trondheim (Norvegia)

- supervisor Morten Hovd

- grant [ERCIM Alain Bensoussan Fellowship Programme](#), co-financed by the European Commission through the FP7 Marie-Curie ABCDE action

PERSONAL SKILLS

Mother tongue(s) Romanian

Foreign language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C1	C1	C1	C1
Certificate of Advanced English (CAE) from Cambridge University					
French	B1	B1	B1	B1	B1

Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Proficient user
[Common European Framework of Reference for Languages](#)

Digital skills C, C++, Java
 Matlab, Latex editing
 QNX, Rhapsody

ADDITIONAL INFORMATION

Publications

- main author of the book "Set-theoretic fault detection in multi-sensor control" in the FOCUS series, edited by Hermes Penton-ISTE Ltd in collaboration with Wiley
- co-author of the book "Mixed-integer representations in control design: Mathematical foundations and applications" in the SpringerBriefs series, edited by Springer
- 3 book chapters (in Springer collections, 2014 and 2015)
- 14 ISI indexed journal papers (with a cumulated impact factor of 35.32);
- over 40 conference papers in the proceedings of leading conferences in the Automatic Control field (IEEE Control and Decision Conference, IEEE European Control Conference, IEEE American Control Conference, IFAC World Congress Conference, other IEEE si IFAC affiliated conferences);

Statistics (excluding auto-citations):

- SCOPUS - 275, Web of Science - 215
- h-index: SCOPUS - 7, Web of Science – 6

Projects

- Responsible from UPB's side to a PN-III "Innovation Check" project: "Implementation and development of algorithms for the dynamic motion planning of robotic systems (DEVROS)"; PN-III-P2-2.1-CI-2017-0403; July 2017 – December 2017; <http://devros.pub.ro/project>;
- Principal investigator for a PN-II "Young Team" project: "Set-theoretic approaches for fault tolerant control of complex systems (SETS2FTC)"; PN-II-RU-TE-2014-4-2713; October 2015-September 2017; <http://sets2ftc.pub.ro/project>;
- Responsible of a "Young Researcher from Diaspora" mobility project, MCT-2016-0037;
- Grantee of multiple "Awarding the research results"-type grants: PRECISI-2014-6144, -2015-10076, -2016-15179, -2016-15822, -2017-14869;
- Team member in multiple national and international projects, financed as follows:
 - PN-II and PN-III: "Robust control in nonstandard cases" (2016, PN-II-ID-PCE-2011-3-0235), "Multi-drones system for evaluation of flood effects" (2016-2017, PN-III-BG-2016-0318);
 - ESA: "Advanced Control Techniques for Future Launchers" (2017-2020, 4000119953/17/F/JLV), "Non Cooperative RV Experiment phases C/D/E1" (2017-2020, RVX

2016);

- ROSA: "Multisensory robotic system for aerial monitoring of critical infrastructure systems" (2013-2016, 71/2013), "Sistem robotic aerian integrat multiagent pentru explorarea regiunilor de interes terestre" (2017-2019, C3/2016).

Affiliations

- IEEE member (Institute of Electrical and Electronics Engineers)

Visits and collaborations

- invited speaker at the 36th International Summer School in Automation (Grenoble, France, 2015);
- invited Professor at the LCIS Laboratory – INP Grenoble (2015, 2016), CentraleSupélec (2015, 2016), TU Chemnitz (2016) for short-length visits (1-4 weeks);
- invited speaker at the SADCO OMPC workshop (young researcher grant, 2013);
- co-organizer of a "focus session" at the 4th European Conference on Computational Optimization 2016, <https://kuleuvencongres.be/eucco2016/Focus>;
- teaching activities at NTNU, Norway (part of a SEE mobility grant, 2014) and at TU Ilmenau, Germany; UPC, Spain (part of Erasmus+ mobility bourses, 2015, 2016);
- associated editor for the Mediterranean Control Conference (2016, 2017, 2018); "Local Arrangements Chair" and IPC for the "4th International Workshop on Advanced Control and Diagnosis" <http://www.acd2017.acs.pub.ro/>;
- chair and co-chair at the "25th Mediterranean Conference on Control and Automation (MED 2017)" and "21st International Conference on System Theory, Control and Computing (ICSTCC2017)";
- in the Editorial Board (2018 - ongoing) in the "Mathematical Problems in Engineering" Journal.