Associate Proffesor Florin Stoican, Ph.D.

List of scientific publications 2000-2017

Monographs, book chapters (international publications)


Articles in journals and conference proceedings (ISI indexed)


7. Hovd, M. and F. Stoican, On the design of exact penalty functions for MPC using mixed integer


31. Xu, F., V. Puig, C. Ocampo-Martinez, **F. Stoican** and S. Olaru, Actuator-fault detection and isolation based on interval observers and invariant sets, in 52nd IEEE Conference on Decision and


> Articles in journals and conference proceedings (indexed in other databases)


List of scientific grants and research contracts (2000-2017)

- National grants and contracts
1. Implementation and development of algorithms for the dynamic motion planning of robotic systems (DEVROS); Responsible from UPB’s side in the PN-III Innovation Check project: PN-III-P2-2.1-CI-2017-0403; July 2017 – December 2017; http://devros.pub.ro/project

2. Set-theoretic approaches for fault tolerant control of complex systems (SETS2FTC), Principal investigator for the PN-II Young Team project PN-II-RU-TE-2014-4-2713; October 2015-September 2017; http://sets2ftc.pub.ro/project

3. Young Researcher from Diaspora mobility project, Project coordinator, MCT-2016-0037


5. Robust control in nonstandard cases PN-II 2016, PN-II-ID-PCE-2011-3-0235, member of project team

6. Multi-drones system for evaluation of flood effects, project PN-III-BG-2016-0318, 2016-2017, member of project team

7. ESA: Advanced Control Techniques for Future Launchers, 4000119953/17/F/JLV, 2017-2020, member of project team

8. Non Cooperative RV Experiment phases C/D/E1, RVX 2016, 2017-2020, member of project team

9. ROSA: Multisensory robotic system for aerial monitoring of critical infrastructure systems, 71/2013, member of project team, 2013-2016

10. ROSA: Sistem robotic aerian integrat multiagent pentru explorarea regiunilor de interes terestre, C3/2016, 2016-2019, member of project team