

Životopis

OSOBNI PODATCI

Ime i prezime	Ivana Palunko
Titula	Izvanredna profesorica
Godina i ustanova stjecanja doktorata	2012, University of New Mexico, Sjedinjene Američke Države
Adresa	Ćira Carića 4, Sveučilište u Dubrovniku, 20000 Dubrovnik, Hrvatska
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Osobna mrežna stranica	http://lariat.unidu.hr/

RADNO ISKUSTVO

Datumi (od – do)	01.10.2014. -
Ustanova zaposlenja	Sveučilište u Dubrovniku
Naziv radnog mjesta	Izvanredna profesorica
Područje rada	Autonomni sustavi, Adaptivno-optimalno upravljanje, Višeagentni sustavi, Učenje s podrškom
Datumi (od – do)	15.10.2012. - 01.09.2014
Ustanova zaposlenja	Sveučilište u Zagrebu, Fakultet Elektrotehnike i Računarstva
Naziv radnog mjesta	Postdoktorand (2012 - 2014)
Područje rada	Autonomni sustavi, Adaptivno-optimalno upravljanje, Višeagentni sustavi, Učenje s podrškom
Datumi (od – do)	10.08.2008. - 01.09.2012
Ustanova zaposlenja	University of New Mexico, Department of Electrical and Computer Engineering
Naziv radnog mjesta	Graduate assistant (2008 - 2012)
Područje rada	Bespilotne letjelice, Adaptivno i nelinearno upravljanje, Višeagentni sustavi, Učenje s podrškom
Datumi (od – do)	17.11.2007. - 31.06.2008
Ustanova zaposlenja	Sveučilište u Zagrebu, Fakultet Elektrotehnike i Računarstva
Naziv radnog mjesta	Zavodski suradnik (2007 - 2008)
Područje rada	Adaptivno upravljanje, modeliranje i predikcija psihofizioloških značajki u liječenju PTSP-a

ŠKOLOVANJE

Datum	21.12.2012.
Mjesto	Albuquerque, NM, USA
Ustanova	University of New Mexico
Zvanje	dr.sc., Tehničke znanosti, Polje elektrotehnike, Grana automatika/robotika
Datum	23.10.2007.
Mjesto	Zagreb
Ustanova	Sveučilište u Zagrebu Fakultet elektrotehnike i računarstva
Zvanje	dipl.ing., elektrotehnika, smjer Automatika

ČLANSTVA U ZNANSTVENIM ORGANIZACIJAMA I TIJELIMA

IEEE - Institute of Electrical and Electronic Engineers, IEEE Women in Engineering, IEEE Robotics and Automation Society, IEEE Young Professionals, IEEE Control Systems Society, IEEE Aerospace and Electronic Systems Society

Deset najutjecajnijih znanstvenih radova:

1. **Palunko, Ivana**; Tolić, Domagoj; Prkačin, Vicko. Learning Near-Optimal Broadcasting Intervals in Decentralized Multi-Agent Systems using Online Least-Square Policy Iteration, // IET control theory and applications (to appear), (Q1, IF = 3.343)
2. Buşoni, Lucian; de Bruin, Tim; Tolić, Domagoj; Kober, Jens; **Palunko, Ivana**. Reinforcement learning for control : Performance, stability, and deep approximators // Annual reviews in control, 46 (2018), 8-28 doi:10.1016/j.arcontrol.2018.09.005 (Q1, IF = 4.987)
3. Faust, Aleksandra; **Palunko, Ivana**; Cruz, Patricio; Fierro, Rafael; Tapia, Lydia. Automated Aerial Suspended Cargo Delivery through Reinforcement Learning // Artificial intelligence, 247 (2017), 381-398 doi:10.1016/j.artint.2014.11.009 (Q1, IF = 6.628)
4. Haus, Tomislav; **Palunko, Ivana**; Tolić, Domagoj; Bogdan, Stjepan; Lewis, Frank L.; Mikulski, Dariusz G. Trust-Based Self-Organizing Network Control // IET control theory and applications, 8 (2014), 18; 2126-2135 doi:10.1049/iet-cta.2014.0333 (Q1, IF = 3.343)
5. **Palunko, Ivana**; Donner, Philine; Buss, Martin; Hirche, Sandra. Cooperative suspended object manipulation using reinforcement learning and energy-based control // Proceedings of IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS 2014), 2014 Chicago, Sjedinjene Američke Države, 2014. str. 885-891
6. **Palunko, Ivana**; Faust, Aleksandra; Cruz, Patricio; Tapia, Lydia; Fierro, Rafael. A reinforcement learning approach towards autonomous suspended load manipulation using aerial robots // Proceedings of IEEE International Conference on Robotics and Automation (ICRA), 2013 Karlsruhe, Njemačka: IEEE, 2013. str. 4896-4901
7. **Palunko, Ivana**; Cruz, Patricio; Fierro, Rafael Agile Load Transportation: Safe and Efficient Load Manipulation with Aerial Robots // IEEE robotics & automation magazine, 19 (2012), 3; 69-79 doi:10.1109/MRA.2012.2205617 (Q1, IF = 3.097)
8. **Palunko, Ivana**; Faust, Aleksandra; Cruz, Patricio; L.Tapia and R.Fierro, Suspended Load Manipulation Using Aerial Robots and Least Square Policy Iteration, (ICRA'13), Karlsruhe, Germany, May, 2013.
9. **Palunko, Ivana**; Fierro, Rafael and Cruz, Patricio Trajectory Generation for Swing-Free Maneuvers of a Quadrotor with Suspended Payload: A Dynamic Programming Approach, International Conference on Robotics and Automation, (ICRA'12), St.Paul, MN, May, 2012.
10. **Palunko, Ivana**; Fierro, Rafael; Adaptive Feedback Controller Design and Quadrotor Modeling under Dynamic Changes of the Center of Gravity, 18th IFAC World Congress (IFAC'11), Milan, Italy, August, 2011.

DRUGE ZNAJSTVENE AKTIVNOSTI

Recenzent**Konferencije s međunarodnom recenzijom**

- IEEE International Conference on Robotics and Automation - ICRA
- IEEE European Control Conference - ECC
- IEEE International Conference on Intelligent Robots and Systems - IROS
- IEEE Multi-conference on Systems and Control - MSC
- IEEE Annual Conference of the Industrial Electronics Society - IECON
- Military Communications Conference - MILCOM
- IEEE Mediterranean Conference on Control and Automation - MED
- IEEE American Control Conference - ACC
- IEEE Conference on Decision and Control - CDC
- Robotics: Science and Systems - RSS

Časopisi s međunarodnom recenzijom

- Journal of Intelligent and Robotic Systems - JINT
- Transactions of the Institute of Measurement and Control - T-IMC
- IEEE Transactions on Automation Science and Engineering - T-ASE
- IEEE Transactions on Robotics - T-RO
- IEEE Transactions on Control Systems Technology - TCST
- Journal of Defense Modeling and Simulation - JDMS
- IEEE Control Systems Magazine - CSM
- Automatica