

Senka Krivić



Senka Krivić joined Intelligent and Interactives Systems (IIS) lab at February 3rd 2014 as PhD student. There she is working on a [SQUIRREL](#) project and as teaching assistant on a prosemiar [Introduction to Intelligent and Autonomous Systems](#). Her work is under the supervision of Professor Justus Piater.

Previously, she achieved a Bachelor and a Master degree in Automatic Control and Electronics at Faculty for Electrical Engineering, University of Sarajevo. During her studies, Senka focused on mobile robotics and intelligent control. Her bachelor thesis was “Mobile Robot Map Building” and master thesis was “Biometric Authentication Based on Artificial Neural Network”, both under supervision of Professor Samim Konjicija.

Research Interests

Robotics, Machine Learning, Robot Learning, Movement Primitives, Computational Intelligence, Optimization, Nonlinear Control

Teaching

Universität Innsbruck

- [Introduction to Intelligent and Autonomous Systems](#), spring 2013/2014

University of Sarajevo

- Intelligent Control, fall 2013/2014

Publications

Year	Conference	
2013	ACC	Optimization based algorithm for correction of systematic odometry errors of mobile robot , Krivic, S.; Mrzic, A. ; Velagic, J. ; Osmic, N.
2012	MECATRONICS-REM	Haptic paddle and fuzzy based virtual environment model control system as a didactic tool , Krivic, S., Kaknjo, A. ; Hujdur, M. ; Zubovic, N. ; Sokic, E.
2012	MIPRO	Design and implementation of fuzzy controller on embedded computer for water level control , Krivic, S. ;Bosnia-Herzegovina ; Hujdur, M. ; Mrzic, A. ; Konjicija, S.
2011	MIPRO	Building mobile robot and creating applications for 2D map building and trajectory control , Krivic, S.; Mrzic, A. ; Osmic, N.

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