

# Senka Krivić



I joined Intelligent and Interactives Systems (IIS) lab at February 3rd 2014 as a PhD student. There I am working on a [SQUIRREL](#) project and as a teaching assistant of a prosemiar [Introduction to Intelligent and Autonomous Systems](#). My work is under the supervision of Professor Justus Piater and also advised by [Emre Ugur](#) and [Sandor Szdemak](#)

Previously, I obtained a Bachelor and Master degrees in Automatic Control and Electronics at the Faculty for Electrical Engineering, University of Sarajevo. During my studies, I focused on mobile robotics and intelligent control. My bachelor thesis was "Mobile Robot Map Building" and my master thesis was "Biometric Authentication Based on Artificial Neural Networks", both under supervision of Professor Samim Konjicija.

## Research Interests

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

## Contact Information

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## Teaching

### Universität Innsbruck

- [Introduction to Intelligent and Autonomus Systems \(UIBK link\)](#), spring 2014/2015,
- Student consultation: **Thursday 13.00-15.00**, Room 2W03, ICT building

### Universität Innsbruck

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

### University of Sarajevo

- Intelligent Control, fall 2013/2014

## Publications

Year	Conferences	Paper	Files
2015	ESANN	Learning missing edges via kernels in partially-known graphs., Senka Krivić, Sandor Szedmak, Hanchen Xiong, Justus Piater	<a href="#">database</a>
2013	9th ASCC	<a href="#">Optimization based algorithm for correction of systematic odometry errors of mobile robot</a> , Krivic, S.; Mrzic, A. ; Velagic, J. ; Osmic, N.	
2012	13th MECATRONICS-REM	<a href="#">Haptic paddle and fuzzy based virtual environment model control system as a didactic tool</a> , Krivic, S., Kaknjo, A. ; Hujdur, M. ; Zubovic, N. ; Sokic, E.	
2012	35th MIPRO	<a href="#">Design and implementation of fuzzy controller on embedded computer for water level control</a> , Krivic, S. ; Hujdur, M. ; Mrzic, A. ; Konjicija, S.	
2011	34th MIPRO	<a href="#">Building mobile robot and creating applications for 2D map building and trajectory control</a> , Krivic, S.; Mrzic, A. ; Osmic, N.	
Year	Workshops		
2014	ARW	<a href="#">Exploiting the Environment for Object Manipulation</a> , Simon Hangl, Senka Krivic, Philipp Zech, Emre Ugur, Justus Piater, Best Student Paper Award	

## More Information

[Google Citations](#)

[LinkedIn](#)

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