

## PERSONAL INFORMATION

## Robert Krug



 Drakenbergsgatan 47, 70 219 Örebro (Sweden)

 +46(0) 19 30 3499  +46(0) 734 237 296

 robert.krug@oru.se

 <http://aass.oru.se/Research/mro/rtkg.html>

Sex Male | Date of birth 12/07/1981 | Nationality Austrian

## WORK EXPERIENCE

10/2014–Present

## Postdoctoral researcher

AASS Research Center, Örebro University  
Fakultetsgatan 1, 70281 Örebro (Sweden)  
<http://www.oru.se/aass>

- Research in optimization-based robot control
- Project work for the EU-FP7 project RobLog (<http://www.roblog.eu/>), mainly in the area of autonomous grasping for logistics applications

09/2009–06/2014

## PhD student in Control Theory

AASS Research Center, Örebro University, Örebro (Sweden)

- Research in robotic grasping and manipulation
- Scientific and organisational duties in the EU-FP7 project HANDLE (<http://www.handle-project.eu/>)
- Teaching assistant for the courses "Artificial Intelligence in Mobile Robots" and "Sensors and Sensing"

12/2006–09/2007

## Freelancer

M&R Automation GmbH  
Teslastrasse 8, 8074 Grambach (Austria)  
<http://www.mr-automation.at/en-eu/>

- Development of a Pick & Place robot

Business or sector Process automation

08/2005–07/2007

## Undergraduate Assistant

Institute of Mechanics, Erzherzog Johann University of Technology Graz  
Kopernikusgasse 24/IV, 8010 Graz (Austria)  
<http://www.mechanik.tugraz.at/>

- Pre-corrections of exams in technical mechanics
- Setting up examples for tutorials and exams
- Developing simulations in Matlab/SIMULINK

07/2004–09/2004

## Intern

MAGNA STEYR - Engineering Center Steyr GmbH & Co KG  
Steyrerstrasse 32, 4300 St. Valentin (Austria)  
<http://www.ecs.steyr.com/>

- Multi-body simulation of a vehicle using the software ADAMS-K

Business or sector Engineering services

## EDUCATION AND TRAINING

09/2009–06/2014	<b>PhD</b> AASS Research Center, Örebro University, Örebro (Sweden) - PhD subject: Control Theory	EQF level 8
09/2001–01/2009	<b>Dipl.-Ing. (MSc)</b> Erzherzog Johann University of Technology, Graz (Austria) - MSc subject: Mechatronics in Mechanical Engineering	EQF level 7
07/2000–03/2001	<b>Military Service</b> Drill company, military command Salzburg, Tamsweg (Austria)	
09/1995–07/2000	<b>High School</b> Secondary College for Timber Industry, Kuchl (Austria)	EQF level 4

## PERSONAL SKILLS

**Mother tongue(s)** German

**Other language(s)**

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C2	C2	C2	C1	C1

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

**Job-related skills**

- Strong background in technical mechanics and control theory
- Hands-on experience in robotics for manufacturing and logistics applications

**Digital competence**

- Good command of Matlab/SIMULINK and Latex
- Proficient in C++
- Substantial experience with the Robot Operating System (ROS)