Simon Haller-Seeber

Scientific Systems Engineer

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Areas of Interest

- System Automation
- (Educational) Robotics, Computer Vision and Machine Learning
- Free Software

Positions

- Systems Engineer at the Department of Computer Science, Intelligent and Interactive Systems, University of Innsbruck (since 2010)
- Lecturer at the Faculty of Teacher Education, Department of Science Education (part time, 2018/2019)
- Systems Developer and Systems Administrator for Large Scale Linux Systems at the Central IT Services, University of Innsbruck (2005-2010)
- Internship at the HyperStudio at the Massachusetts Institute of Technology, Cambridge (02/2006)
- Systems Administrator (part time), User Support Department, Central IT Services, University of Innsbruck (2002-2005)

Education

- 06/2014 Apprentice Instructor
- 02/2012 Engineer Degree (Ing., granted by the Federal Ministry of Economics)
- 10/2006 Bachelor Degree in Computer Science (granted by the University of Innsbruck)
- 06/2000 Technical High School for Telecommunication ('HTL für Nachrichtentechnik')

Talks and Workshops

- A current list of talks and workshops can be found here.

Publications

See also Google Scholar

1. Simon Haller, Über "Bildung 4.0", "Schule 4.0" und andere Dinge, die keine Versionierung brauchen. Medienimpulse, Volume: 26 (1), 2018. [Link] [PDF] [Online] [BibTex]

Apprentice

- Adnan Ali (05/2018 - 05/2019)
- Tizian Müller (09/2014 - 02/2018)

(Co-)Supervised Theses

- Patrick Lamprecht, Thesis: Entwicklung eines Block Programming Interfaces für den Microcontroller ESP32 zum Einsatz im modernen Informatikunterricht , ongoing.
- Jacob Jordan, Thomas Leitner, HTL-Dipl. Thesis: Schwarmintelligenz für autonomes Fahren, 2019/05.
- Lee Chhong Shing, Thesis: Haptic Exploration of Images for the Visually Impaired, 2017/06/20
- Adrian Marxer, Thesis: Visual SLAM for Terrain Reconstruction and Autonomous Flight, 2016/04/19
- Stefan Spiss, Thesis: Intuitive Human-Computer Interface for Quadcopter Control, 2016/04/19
- Alexander Falch, Thesis: Entwicklung eines web-basierten Verwaltungstools zur Protokollierung und Zugangssteuerung von Industriegeräten, 2015/12/15
- Alexander Hirsch, Thesis: Improved On-Board Communication for Low-Cost Mobile Robots, 2014/10/14
- Martin Kolb, Thesis: Face-Tracking mit Scratch, 2013/06/25

Teaching Assistance

- Connective Playthings [VU 800770 | summer term: 2019]
- Fachpraktikum [PR 627824 | winter term: 2018/19]
- Informatik Praktikum Robotik [PR 703051 | summer term: 2018]
- Enabling Music [SE 800709 | winter term: 2017/18]
- Bridge-Course [VO 703000 | winter term: 2012-2018]
- Introduction to Autonomous and Intelligent Systems [PS 703031 | summer term: 2013-2017]

Projects

- IMAGINE (EU Horizon 2020, current - 2018)
- Squirrel (EU FP7-ICT-STREP, 2016-2018)
- PaCMan (EU FP7-ICT-STREP, 2014-2016)
- Networking Lake Observatories in Europe (COST Action ES1201, 2013-2016)
- IntellAct (EU FP7-ICT-STREP, 2011–2014)

Initiatives, Events, Misc

- Erasmus+ Teaching Staff Exchange, Holon Institute of Technology, Holon, Israel (05/2019).
- RoboCup Junior 2016/2019
- Rossini (since 2018)
- HIT Hackathon 2018 (Press, Video)
- Computer Camp Malbun (since 2003)
- Co-Organizing Free Software Events (IFIT 2003, IFI10 2011, RMS Talk 2017, Panel Discussion 2017)
- Robot Support for König Laurins Rosengarten 2017
- Co-Organizing 1st Stupid Hackathon Tirol 2015
- Capture the Flag (CTF @ IFI 10) 2011
- Support for a state licensed IT–Center in Koudougou (AITED, 2009–2010)

Boards and Organisations

- Chairman of the registered association "brainity" (since 2006)
- Chairman of the registered association "Natur Mensch Technik" (since 2003)
- Member of the academic senate at the University of Innsbruck (2004-2009)
- Member of the science student representative body (2004-2007).
- Member of the student's counsel for Informatics Students (2003-2008).

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