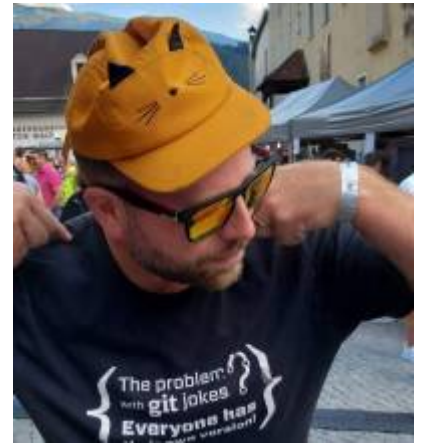




# Simon Haller-Seeber

## Scientific Systems Engineer

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## Areas of Interest

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

## Positions

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- 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

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- 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

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- A current list of talks and workshops can be found [here](#).

## Publications

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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

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- Bryan Fasching (starting 04/2020)
- Adnan Ali (05/2018 - 05/2019)
- Tizian Müller (09/2014 - 02/2018)

## (Co-)Supervised Theses

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- Fabian Wechselberger, Thesis: Management tool for electrical appliances using IoT devices (working title), ongoing.
- Sebastian Bergner, Fabian Kranebitter, IT-Kolleg Thesis: Vision Pipeline for ROS, ongoing.
- Patrick Lamprecht, Thesis: Entwicklung eines Block Programming Interfaces für den Microcontroller ESP32 zum Einsatz im modernen Informatikunterricht, 2019/11.
- 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

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- Enabling Music II [VU 703709 | summer term: 2020] postponed to 2021
- Connective Playthings [VU/PR 800770/1 | 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

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- [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

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- 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

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- 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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