

News

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- 2018-02-09 Simon Haller and Nicolas Stolz teach a tutorial *Digitale Selbstverteidigung: Security und Privacy im Internet*, Safer Internet Tag, Jugendzentrum Tivoli.
- 2017-12-13 Simon Haller teaches a tutorial *Build your own Mini Robot*, AK Informatiklehrer, Universität Innsbruck.
- 2017-12-01 Justus Piater appears in the media: [Frage der Tradition. Interview about Open Access publishing by Zukunft Forschung](#), the science and research magazine of the University of Innsbruck.
- 2017-11-24 Justus Piater gives an invited talk *Scale Up Machine Learning, And Cognition Will Emerge. Will It?*, [EUCognition Meeting](#), Zürich, Switzerland.
- 2017-11-15 Simon Haller teaches a tutorial *Digitale Kompetenzen entwickeln mit Micro:Bits, Calliope Mini und Co*, [Programm EduMediaLab 2017](#), Universität Innsbruck.
- 2017-11-09 Simon Haller and Philipp Zech teach a tutorial *Wie kann ein Roboter lernen, die Welt zu verstehen?*, [VWA- und Diplomarbeitentag](#), Universität Innsbruck.
- 2017-10-05 Justus Piater gives an invited talk *Open-Ended Robot Learning: First Steps and Next Challenges*, [The Third International Workshop on Intrinsically Motivated Open-ended Learning \(IMOL 2017\)](#), Rome, Italy.
- 2017-09-24 Justus Piater co-organizes the [IEEE/RSJ IROS Workshop on Human in-the-loop robotic manipulation: on the influence of the human role](#).
- 2017-09-15 Justus Piater is a panelist at a public discussion on [Die Maschine denkt – die Maschine lenkt: Wie gefährlich ist Künstliche Intelligenz?](#) in Graz, Austria.
- 2017-08-28 Simon Haller and Andrea Bou-Vinals teach a tutorial *Bau eines hydraulischen Roboter Arms*, [Kinder-Sommer-Uni 2017 \(Programm\)](#), Universität Innsbruck.
- 2017-08-25 Simon Haller and Katharina Seeber teach a tutorial *Ö1 Children's University Alpbach – Science and Technology for Kids: Workshop for the construction of hydraulic robot arms*, [European Forum Alpbach 2017 / Technology Symposium](#), Forum Alpbach.
- 2017-07-19 Justus Piater teaches a tutorial *Learning to Grasp Using More or Less Vision*, [Summer School on Soft Manipulation](#), Lake Chiemsee, Germany.
- 2017-06-09 Simon Haller, Erwan Renaudo, and Philipp Zech present a show *1. Tiroler Pop-, Rock- und Tanz-Märchen für Erwachsene – "König Laurins Rosengarten" – Open Air*, [Tiroler Märchenfestival](#), Vögelsberg.
- 2017-05-23 Simon Haller teaches a tutorial *A quick glance at BBC Micro:Bit and Calliope Mini, "inday teachers"*, Universität Innsbruck.
- 2017-04-21 Justus Piater gives an invited talk *Maschinelles Lernen – Eine Einführung mit Blick auf Digitale Geisteswissenschaften*, [Workshop über Digitale Methoden in den Geisteswissenschaften](#), Universität Innsbruck.
- 2017-03-23 Justus Piater gives an invited talk *Progress in Robot Learning – Is Modeling Crucial for Success?*, [Systems Engineering - Progress in Robot Modeling - Why Modeling is Crucial for Success](#), Edinburgh, Scotland.
- 2017-03-17 Simon Haller teaches a tutorial *Programming the BBC Micro:Bit*, [Slides and Code](#), AGI, Innsbruck, Angerzellgasse 15 .
- 2017-02-05 Simon Haller appears in the media: [Die liebste Himbeere der Bastler. TT Magazin Interview..](#)
- 2016-12-09 Justus Piater gives an invited talk *From Machine Learning to Agency*, [EUCognition Meeting](#), Vienna, Austria.

- 2016-11-26 Justus Piater gives an invited talk *Roboter für Menschen – Menschen für Roboter*, [Uni im Dorf 2016](#), Ausservillgraten.
- 2016-11-26 Simon Haller and Katharina Seeber teach a tutorial *Bau eines hydraulischen Roboter Arms*, [Uni im Dorf 2016](#), Ausservillgraten.
- 2016-11-08 Simon Haller teaches a tutorial *Prototyping (autonomous) Robots using Python and ROS*, [Slides and Code](#), Innsbruck, Adamgasse 22.
- 2016-11-06 Senka Krivic appears in the media: [Webportal article \(ITgirls.ba\) following interview \(in Bosnian\)](#).
- 2016-10-14 Justus Piater gives an invited talk *Bootstrapping Complex Skills by Building on Experience*, [Workshop on Machine Learning Methods for High-Level Cognitive Capabilities](#), at IROS, Daejeon, Korea.
- 2016-10-04 Justus Piater gives an invited talk *From Machine Learning to Agency*, [NII Shonan Meeting on Cognitive Development and Symbol Emergence in Humans and Robots](#), Shonan Village Center, Japan.
- 2016-09-26 Justus Piater gives an invited talk *From Machine Learning to Agency*, [“Robotics in the 21st century: Challenges and Promises”](#), Göttingen, Germany.
- 2016-09-22 Justus Piater gives an invited talk *From Machine Learning to Agency*, [Conference on Agency and \(Quantum\) Physics](#), Konstanz, Germany.
- 2016-08-12 Simon Haller and Andrea Bou-Vinals teach a tutorial *Das Innenleben eines Computers*, [Kinder-Sommer-Uni 2016 \(Programm\)](#), Universität Innsbruck.
- 2016-08-03 Simon Haller and Andrea Bou-Vinals teach a tutorial *Das Innenleben eines Computers*, [Kinder-Sommer-Uni 2016 \(Programm\)](#), University of Innsbruck.
- 2016-05-01 Justus Piater appears in the media: [Wie Robin gelernt hat, einen Turm zu bauen. Newspaper article \(Der Standard\) following interview and demonstration](#).
- 2016-05-01 Justus Piater appears in the media: [Wie Roboter die Zukunft der Arbeit verändern. Newspaper article \(Tiroler Tageszeitung\) following interview](#).
- 2016-05-01 Simon Haller appears in the media: [Lebensretter und Rampensäue, 6020 Interview..](#)
- 2016-04-21 Justus Piater, Emre Ugur, and Simon Hangl appear in the media: [TV report on child-like robot learning by ORF 2 Tirol Heute \(in German\)](#).
- 2016-04-21 Justus Piater and Emre Ugur appear in the media: [Web report on child-like robot learning by ORF \(in German\)](#).
- 2016-04-21 Justus Piater, Emre Ugur, and Simon Hangl appear in the media: [Radio report on child-like robot learning by ORF Ö1 Wissen Aktuell \(in German\)](#).
- 2016-04-16 Philipp Zech appears in the media: [Print Article \(News\)](#).
- 2016-04-05 Simon Haller appears in the media: [Die Zukunft der Roboter, TT Interview..](#)
- 2016-04-02 – 2016-04-03 Simon Haller, Sebastian Stabinger, Cornelia Vidovic, and Justus Piater co-organize the [RoboCupJunior Austrian Open 2016](#).
- 2016-03-02 Simon Haller gives an invited talk *Tips and Tricks for Rapid Prototyping using ROS*, [Robotics Seminar at Boğaziçi Üniversitesi](#), Istanbul, Turkey.
- 2016-02-29 – 2016-03-04 Justus Piater co-organizes the Winter School on Interactive Mobile Manipulation.
- 2016-02-21 Emre Ugur gives an invited talk *Closing the loop: From continuous exploration to symbolic planning*, [2nd International Workshop on Cognitive Neuroscience Robotics](#), Osaka, Japan.
- 2016-02-04 Justus Piater appears in the media: Interview about potential for exploitation of ICT research by the Technology Transfer Center of Western Austria (WTZ West).
- 2016-02-03 Justus Piater appears in the media: [Newspaper article \(Tiroler Tageszeitung\) following interview and robot demonstrations](#).

- 2016-01-22 Justus Piater teaches a tutorial *Grasping and Manipulation*, [GMAR Winter School on Robotics](#), Graz, Austria.
- 2016 Emre Ugur edits a guest edition [Computational Models of Affordances for Cognitive Robots](#) in [IEEE Transactions on Cognitive and Developmental Systems](#).
- 2015-12-17 Justus Piater gives an invited talk *Distributions of Diverse Features For Single and Multiple-View Robot Vision*, [1st International Workshop on Recovering 6D Object Pose](#), at ICCV, Santiago, Chile.
- 2015-12-03 – 2015-12-05 Antonio Rodriguez-Sanchez and George Azzopardi co-organize the [The First International Workshop on Computational Models of the Visual Cortex: Hierarchies, Layers, Sparsity, Saliency and Attention](#).
- 2015-10-04 – 2015-10-09 Justus Piater, Jan Peters, Robert Platt, and Siddhartha Srinivasa co-organize the [Dagstuhl Seminar 15411 on Multimodal Manipulation Under Uncertainty](#).
- 2015-09-28 Justus Piater gives an invited talk *Stacked learning for bootstrapping symbols from sensorimotor experience*, [Workshop on Learning Object Affordances: A fundamental step to allow prediction, planning and tool use in autonomous robots](#), at IROS, Hamburg, Germany.
- 2015-09-28 Emre Ugur, Lorenzo Jamone, Angelo Cangelosi, Tamim Asfour, and Jose Santos-Victor co-organize the [Workshop on Learning Object Affordances: A fundamental step to allow prediction, planning and tool use in autonomous robots](#).
- 2015-07-31 Justus Piater gives an invited talk *Stacked learning of affordances*, [Workshop on Bottom-up and top-down development of robot skills](#), at ICAR, Istanbul, Turkey.
- 2015-07-31 Emre Ugur, Lorenzo Jamone, Yukie Nagai, and Erhan Oztop co-organize the [Workshop on Bottom-up and top-down development of robot skills](#).
- 2015-07-16 Emre Ugur gives an invited talk *Bootstrapping Concept Learning: From Simple to Complex Affordances to Symbolic Planning*, [Workshop on Learning Reusable Concepts in Robotics](#), at RSS, Rome, Italy.
- 2015-07-16 Justus Piater and Tamim Asfour co-organize the [Workshop on Learning Reusable Concepts in Robotics](#).
- 2015-05-30 Justus Piater gives an invited talk *Robot vision in times of flight: RGB-D = red-green-blue is dead?*, [Workshop on Robotic Hands, Grasping, and Manipulation](#), at ICRA, Seattle, USA.
- 2015-05-04 Sebastian Stabinger appears in the media: Robotertechnik für Blinde: Interview with 20er about master project.
- 2015-02-06 Sebastian Stabinger appears in the media: [Eine Kamera als Sehhilfe: Audio interview with ipoint about master project](#).

2010-2014

- [#tiroltvvideo { display: none; } #tiroltvvideo:target { display: block; } Robotik an der Uni Innsbruck - TirolTV vom 1 Dezember 2014](#)
- Our following paper won the **Best Paper Award** at [ACML 2014](#):
Hanchen Xiong, Sandor Szedmak Justus Piater, Towards Maximum Likelihood: Learning Undirected Graphical Models using Persistent Sequential Monte Carlo. [\[Abstract\]](#) [\[BibTeX\]](#)
- Justus Piater is an **invited speaker** at the workshop on [Human versus Robot Grasping and Manipulation—How Can We Close the Gap?](#) at [RSS](#) July 12, 2014, at UC Berkeley.
- [#raivideo { display: none; } #raivideo:target { display: block; } RAI Südtirol - Tagesschau vom 12 Juli 2014](#)
- Justus Piater is co-organizing the [IROS Workshop on Robots in Clutter: Perception and Interaction in Clutter](#) in Chicago, September 18, 2014.
- Antonio Rodriguez-Sanchez is the editor of the special issue on *Frontiers in Computational*

Neuroscience about **Hierarchical object representations in the visual cortex and computer vision**.

- [Roboter, die von Menschen lernen](#) - (iPoint 03.01.2014, in German)
- Justus Piater is lecturing on Robot Vision at the **International Autumn School on "Human-Robot-Interaction"**, November 18th–22nd, 2013, TU Dresden, Germany.
- Emre Ugur is organizing the **IROS2013 Workshop on Neuroscience and Robotics: Towards a robot-enabled, neuroscience-guided healthy society** in Tokyo, 3 November 2013.
- Our following paper won a **Best Vision Paper Award**:
Damien Teney, Justus Piater, Continuous Pose Estimation in 2D Images at Instance and Category Levels. [Tenth Conference on Computer and Robot Vision](#), 2013. [\[PDF\]](#) [\[Abstract\]](#) [\[BibTeX\]](#)
- Justus Piater is co-organizing the **R:SS Workshop on Robots in Clutter: Preparing Robots for the Real World** in Berlin, 27 June 2013.
- Justus Piater is co-organizing the **ICRA 2013 Workshop on Semantics, Identification, and Control of Robot-Human-Environment Interaction** in Karlsruhe, 10 May 2013.
- Justus Piater is an **invited speaker** at the **ICRA 2013 Workshop on Bootstrapping Structural Knowledge from Sensory-motor Experience** in Karlsruhe, 6 May 2013.
- **Nicu Sebe**, professor of computer science at the University of Trento, is giving a talk on [Human-centered Computing: Challenges and Perspectives](#) on **April 18, 2013, at 16:15** in HS D.
- **Francisco Valero-Cuevas**, Professor of biomedical engineering and biokinesiology and physical therapy at the University of Southern California, is giving a talk on [Computational Neuromechanics](#) on March 14, 2013, at 16:15 in HS E.
- **Nicolai Petkov** is visiting IIS for three days, and is giving a talk on [Brain-inspired computing vision for machine vision](#) on 10 January 2013, 16:15, in HS C.
- Justus Piater and [Antonio Rodríguez-Sánchez](#) are organizing the **2013 ÖAGM/AAPR Workshop** in Innsbruck.
- [Learning from the Brain](#) - UIBK news 21/11/2012 reports on 2DSIL, a biologically-inspired model of shape representation.
- IIS has published a paper in PLoS One:
Antonio Rodríguez-Sánchez, John Tsotsos, The roles of endstopped and curvature tuned computations in a hierarchical representation of 2D shape. PLoS ONE 7 (8), pp. 1–13, 2012.  [\[Abstract\]](#) [\[BibTeX\]](#)
- **Jim Little** is giving an extended talk on [Finding Objects in Cluttered Scenes for Home Robotics](#) on 24 April 2012, 14:15-15:30, in HS D.
- [Stille Welt - Gehörlos in Tirol](#) - the Tyrolean street newspaper reports on the [SignSpeak](#) project. (20er, pp. 6-7, April 2012, in German)
- Justus Piater is an **invited speaker** at the [CogSys 2012 Workshop on Deep Hierarchies in Vision](#) in Vienna, 21 February 2012.
- [Übersetzungslücken schließen](#) - the UIBK supplement to an Austrian newspaper reports on our [SignSpeak](#) project ([wissenswert](#) 18 pp. 16-17, February 2012, in German)
- **Ales Leonardis** is giving a talk on [Combining compositional shape hierarchy and multi-class object taxonomy for efficient object categorisation](#) on 1 December 2011, 16:15, in HS C.
- Justus Piater is an **invited speaker** at the **29th Pattern Recognition and Computer Vision Colloquium** in Prague, 13 October 2011.
- Justus Piater is an **invited speaker** at the **R:SS Workshop on Mobile Manipulation: Learning to Manipulate** in Los Angeles, 27 June 2011.
- **Brian Moore** is giving a talk on [Transferring grasping skills from humans to robots](#) at the Computer Science Department (ICT Building, Seminar Room 1), 25 May 2011, 12.00-13.00.
- Justus Piater lectures at the **CogX 2011 Spring School** in Vienna, 27.4.–5.5.
- **Inaugural Lecture - Antrittsvorlesung** by Justus Piater: 14 April 2011 17:00 in the large

auditorium of civil engineering – *Großer Hörsaal der Fakultät für Bauingenieurwissenschaften*.

[Einladung](#) (Invitation, in German only) [Video](#) (in German only)

- [Schlaue Roboter im Haushalt](#) (iPoint 13.04.2011, in German)
- [Roboter lernen lernen](#) (zukunft forschung 2/2010, in German)

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Last update: **2018/09/03 19:35**

