

# CURRICULUM VITAE FOR ANDREAS KRAUSE

*Professor of Computer Science, ETH Zürich*

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[scholar.google.ch/citations?user=eDHv58AAAAAJ](https://scholar.google.ch/citations?user=eDHv58AAAAAJ)

## EDUCATION

**Ph.D. in Computer Science**, Carnegie Mellon University, Dec. 2008. Advisor: Prof. Carlos Guestrin.  
**Diplom in Mathematik**, (M.Sc. equiv. in Mathematics) Technische Universität München, Sept. '04.  
**Diplom in Informatik**, (M.Sc. equiv. in Computer Science) Technische Universität München, Apr. '04.

## POSITIONS HELD

**Full Professor of Computer Science**, ETH Zurich, (since 2017)  
**Co-Founder and Scientific Advisor**, LatticeFlow, (since 2020)  
**Associate Professor of Computer Science**, ETH Zurich, (2015-2017)  
**Assistant Professor of Computer Science**, ETH Zurich, (2011-2014)  
**Assistant Professor of Computer Science**, Caltech (Jan.'09-Dec.'12); **Visiting Associate** (Jan.'13-Dec'14)

## INSTITUTIONAL RESPONSIBILITIES

**ETH AI Center**; Chair (since 2020)  
**Swiss Data Science Center**; Academic Co-Director (since 2016)

## STUDENTS AND POSTDOCS ADVISED

*Current Postdocs*: Ilija Bogunovic (03/'19), Carl-Johann Simon-Gabriel (08/'19), Ya-Ping Hsieh (11/'20)  
*Current PhDs (primary supervisor)*: David Lindner (03/'20); Andisheh Amrollahi (11/'19); Mohammad Reza Karimi (09/'19); Jonas Rothfuss (02/'19), Charlotte Bunne (02/'19), Max Paulus (11/'18), Mojmir Mutný (02/'18), Anastasia Makarova (09/'17), Sebastian Curi (07/'17), Zalan Borsos (05/'17), Matteo Turchetta (10/'16), Johannes Kirschner (09/'16)  
*Co-supervised PhDs*: Lenart Treven (11/'20), Jonas Gehring (09/'19), Ilnura Usmanova (05/'18), Pier Giuseppe Sessa (05/'18), Philippe Wenk (05/'18), Aytunç Şahin (01/'16)  
*Former Postdocs*: Kfir Levy (faculty member at Technion), Hoda Heidari (faculty member at CMU), Jens Witkowski (faculty member in Frankfurt), Sebastian Tschitschek (faculty member at Univ. Vienna), Hamed Hassani (faculty member at Univ. Pennsylvania), Daniel Golovin (Google), Gabor Bartok (Google), Amin Karbasi (faculty member at Yale), Risi Kondor (faculty member at Univ. Chicago), Dan Feldman (faculty member at University of Haifa)  
*Former PhD students*: Felix Berkenkamp ('19, ELLIS Ph.D. Award), Alkis Gotovos ('19), Olivier Bachem ('18), Josip Djolonga ('18, ETH Medal), Manuel Wüthrich ('17, ext.), Baharan Mirzasoleiman ('17, ETH Medal, now faculty at UCLA), Mario Lčić ('17), Adish Singla ('17, now faculty at MPI for Software Systems), Yuxin Chen ('16, now faculty at Univ. Chicago), Hastagiri P. Vanchinathan ('15); Matthew Faulkner ('14); Peter Stobbe ('13); Pete Trautman ('12); Stefanie Jegelka (ext., '12, now faculty at MIT).

## TEACHING (SELECTED)

- 252-0220-00L – Introduction to Machine Learning (Spring, 2018-2021)
- 263-5210-00L – Probabilistic Artificial Intelligence (Fall, 2011-2020)
- 263-5200-00L – Data Mining: Learning from Large Data Sets (Fall, 2011-2017)

## SCIENTIFIC REVIEWING ACTIVITIES

SENIOR PROGRAM COMMITTEE MEMBERSHIP / AREA CHAIR (SELECTED):

AAAI Conference on Artificial Intelligence 2012, 2013, 2015, 2017 SPC; 2020 Area Chair;  
International Joint Conference on Artificial Intelligence (IJCAI) 2011, 2013, 2015-2016;  
Conference on Neural Information Processing Systems (NeurIPS) '13-'15 AC; '19- Senior AC  
International Conference on Machine Learning (ICML) '12-'17, '20 Area Chair; '19, '21 Senior AC

CURRENT AND FORMER EDITORIAL DUTIES:

ACM Trans. on Sensor Networks (Associate Editor, '10-'15), Journal of Artificial Intelligence Research (Associate Editor, '14-'16), Journal of Machine Learning Research (Action Editor '14-)

## ACTIVE MEMBERSHIP IN SCIENTIFIC SOCIETIES

Elected Board Member of the International Machine Learning Society (IMLS), since 2015  
ELLIS Fellow and Co-Director of "Interactive Learning and Interventional Representations" program

## ORGANIZATION OF CONFERENCES AND WORKSHOPS

GENERAL CHAIR for the International Conference on Machine Learning (ICML) 2023  
PROGRAM CO-CHAIR for the International Conference on Machine Learning (ICML) 2018  
TUTORIAL CO-CHAIR for the International Conference on Artificial Intelligence (IJCAI) 2017  
WORKSHOP ORGANIZATION (SELECTED):

*IPAM Workshop "New Architectures and Algorithms"*, December 2018, with N. Balcan (CMU), D. Brown (LBNL), J. Hittinger (LLNL), Alan Lee (AMD)  
*Dagstuhl Seminar "Machine Learning and Formal Methods"*, August 2017, with S. Seshia (UC Berkeley), J. Zhu (U Wisconsin), S. Jha (UTRC Berkeley)  
*Data-Driven Algorithmics* workshop at Harvard University '15 & Bertinoro '17, with Y. Singer.  
A series of seven *NeurIPS Workshops* on "Discrete Optimization in Machine Learning", with P. Ravikumar, J. Bilmes and S. Jegelka, 2009-2017

## ACADEMIC HONORS AND RECOGNITIONS

- *Rössler Prize* 2021 (most highly endowed research prize of ETH Zurich)
- *Test of Time Awards* at ICML 2020 and KDD 2019
- *8 Best Paper Awards* (ECC'16, AISTATS'15, JAIR'13, IPSN'13, AAAI'11, JWRPM'08, KDD'07, IPSN'06),  
*6 Runner Up Awards* (ICRA'13, JAIR'12, KDD'10, CMU Diss. Award'08, ICML'05, UAI'05)
- *Invited Long-term Visitor* at UC Berkeley's Simons Institute (Spring 2017)
- *Invited Talks and Tutorials* at major conferences: AAAI 2016, AISTATS 2018, L4DC 2019, CoRL 2020
- *ERC Consolidator Grant* 2018 and *ERC Starting Grant* 2012
- *Deutscher Mustererkennungspreis* 2012
- *Microsoft Research Faculty Fellow* 2012
- *Golden Owl* teaching award at ETH Zurich 2012
- *Kavli Frontiers Fellow*, National Academy of Sciences 2010
- *NSF CAREER* Award 2010
- *Okawa Foundation* Award recognizing top young researcher in the telecommunications field, 2009

## PUBLICATIONS

**Bibliographic indicators** (Google Scholar June 2021). Citations: 27214. h-index: 80. i10-index: 192.  
More than 150 publications at top conferences and journals *c.f.*, [las.inf.ethz.ch/publications](http://las.inf.ethz.ch/publications)