Martin Trapp *June 28, 1984, Germany*

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Address: Penzingerstrasse 19/17, 1140 Vienna, Austria

Academic Positions

Graz University of Technology   May 2017 – July 2020
Project Assistant
Intelligent System Group
Signal Processing and Speech Communication Lab
Research Topics: Sum-product networks, Bayesian learning, Bayesian nonparametrics

University of Cambridge   Aug. 2018 – Sep. 2018
Research Assistant
Machine Learning Group, Computational and Biological Learning Lab
Research Topics: Probabilistic programming, Bayesian nonparametrics

Austrian Research Institute for Artificial Intelligence (OFAI)   Apr. 2015 – May 2019
Research Assistant
Language and Interaction Technologies Group & Applied Cognitive Science Group
Research Topics: Statistical modelling, Applied machine learning

VRVis Research Center   Jan. 2009 – Feb. 2015
Research Assistant
Biomedical Image Informatics Group
Research Topics: Biomedical Image Processing

Education

PhD, Machine Learning   Nov. 2015 – Aug. 2020 (expected)
Graz University of Technology
Signal Processing and Speech Communication Lab
Thesis Supervisors: Prof. Franz Pernkopf, and Asst. Prof. Robert Peharz (TU Eindhoven)
Thesis Topic:

Master of Science, Computational Intelligence   Oct. 2009 – Jan. 2014
Vienna University of Technology
Thesis Supervisors: Prof. Robert Sablatnig, Dr. Katja Bühler
Thesis Topics: Fast and Accurate Localisation of Anatomical Landmarks on Medical Images

Bachelor of Applied Science, Software Engineering   Oct. 2006 – Jun. 2009
University of Applied Sciences Technikum Wien
Thesis Supervisor: Dr. Katja Bühler

Research Visits

University of Cambridge   Dec. 2017 – Jan. 2018
Machine Learning Group, Computational and Biological Learning Lab
Hosts: Prof. Zoubin Ghahramani & Dr. Robert Peharz
Research Topics: Sum-product networks, Bayesian nonparametrics

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Selected Presentations

- Invited talk at NeurIPS workshop on Tractable Probabilistic Models on: Challenges and opportunities in Bayesian nonparametrics for tractable probabilistic models, expected in 2020.

- Invited talk at the Czech Technical University in Prague on: Learning Sum-Product Networks, 2020.

- Invited talk at the University of Cambridge on: Advances in Learning Sum-Product Networks, 2017.

- Contributed talk at the Conference on Bayesian nonparametrics on: Infinite Sum-Product Networks, 2017.

Professional Activities

Organising Committee: Tractable Probabilistic Inference Meeting (T-PRIME), NeurIPS, 2019

Reviewing: Neural Information Processing Systems (NeurIPS) — International Conference on Machine Learning (ICML) — Artificial Intelligence and Statistics (AISTATS) — IEEE Transactions on Pattern Recognition and Machine Intelligence (TPAMI) — Machine Learning, Springer.

Software Skills

Programming Languages: Julia — Python — Java — C/C++ — Bash

Software Systems: LaTeX— GitHub — SVN — AWS

Awards & Scholarships

Awards: International Communication Funding Award, Austrian Research Association, 2017 — Travel Award from the International Society for Bayesian Analysis, 2017

Scholarships: Vienna Biocenter Scholarshipp, 2015. (I refused the scholarship.)

Languages

English – native proficiency, **German** – native speaker

References

Prof. Franz Pernkopf	Assoc. Prof. Robert Peharz	Kristian Kersting
PhD Supervisor	PhD Co-Supervisor	PhD Examiner
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