Yunpu Ma

Curriculum Vitae

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Name:	Yunpu Ma
Date of Birth:	28.May.1990
Nationality:	China

Vocation

07.2019-	**X-Order Lab**, *Co-Founder*, Supervisor, Developing Algorithms for Relational Database and AI.
07.2016- 07.2019	**Siemens AG**, *Cognitive Deep Learning Project in CT RDA BAM MIC-DE*, Under the supervision of Prof. Volker Tresp.

Education

07.2016-	**Ludwig-Maximilians-Universität München**, *Cognitive Deep Learning, Cognitive Memory Functions*, Under the supervision of Prof. Volker Tresp.
04.2015- 03.2016	**Max-Planck-Institute for Physics**, *Degree: Master of Science*, Final grade: **1.13** (very good), Topic of thesis: Numerical Simulation of Gauge/Gravity Duality.
10.2013- 03.2016	**Ludwig-Maximilians-Universität München** , *Studies in theoretical and mathematical physics.*
10.2010- 09.2013	**Otto-von-Guericke-Universität Magdeburg**, *Degree: Bachelor of Science*, Final grade: **1.6** (good), Topic of thesis: Quantum Chaos.
10.2008- 06.2009	**Tianjin University of Science and Technology**, *Studies in microbial engineering.*

Basic Education

10.2009- 06.2010	**Landesstudienkolleg Sachsen-Anhalt**, *Köthen*, Degree: Feststellungsprüfung, Final grade: **1.4** (very good).
09.2005- 07.2008	**Tianjin Nankai Senior School**, *Degree: National College Entrance Examination.*

Languages

Chinese:	Native
English:	Professional working proficiency

German:	Limited working proficiency
Spanish:	Elementary proficiency

Invited Talks

1. Quantum phase transition and transverse Ising model, Ludwig-Maximilians-Universität München, November 2015.

2. AdS/CFT correspondence and condensed matter physics, Freie Universität Berlin, February 2016.

3. Variational renormalization group and deep learning, Siemens AG München, March 2016.

4. Learning with Knowledge Graphs, EECS Berkeley, organized by Prof. Bruno Olshausen, August 2018.

5. Quantum Circuit Model for Knowledge Graph Embedding, Siemens Berkeley, organized by Dr. Hemant Shukla, August 2018.

6. Quantum Machine Learning Algorithm for Knowledge Graphs, Sino-Germany Workshop, October 2019.

Publications

1. Volker Tresp, Yunpu Ma, Stephan Baier, and Yinchong Yang. Embedding Learning for Declarative Memories. ESWC, 2017.

2. Stephan Baier, Yunpu Ma, and Volker Tresp. Improving Visual Relationship Detection using Semantic Modeling of Scene Descriptions. ISWC, 2017. (**Student Best Paper Award**)

3. Volker Tresp and Yunpu Ma. The Tensor Memory Hypothesis. NIPS 2016 Workshop on Representation Learning in Artificial and Biological Neural Networks, 2016.

4. Volker Tresp, Yunpu Ma, and Stephan Baier. Tensor Memories. CCN, 2017.

5. Yunpu Ma, Volker Tresp, and Erik Daxberger. Embedding Models for Episodic Knowledge Graphs. Journal of Web Semantics, Special Issue on Representation Learning

6. Yunpu Ma, Marcel Hildebrandt, Volker Tresp, Stephan Baier. Holistic Representations for Memorization and Inference. UAI 2018

7. Stephan Baier, Yunpu Ma, and Volker Tresp. Improving Information Extraction from Images with Learned Semantic Models. IJCAI (**Sister Conferences Best Papers**), 2018

8. Yunpu Ma, Volker Tresp, and Liming Zhao. Variational Quantum Circuit Model for Knowledge Graphs Embedding. Advanced Quantum Technologies, 2019

9. Zhen Han, Yunpu Ma, Yuyi Wang, Stephan Günnemann, and Volker Tresp. Temporal Knowledge Graph Reasoning via Graph Hawkes Process. NeurIPS workshop, 2019

10. Yunpu Ma, Volker Tresp. A Quantum Machine Learning Algorithm for Knowledge Graphs. ALT 2020, under review

11. Yunpu Ma, Volker Tresp. Causal Inference under Networked Interference and Intervention Policy Enhancement. AISTATS 2020, under review

12. Marcel Hildebrandt, Jorge Quintero Serna, Yunpu Ma, Martin Ringsquandl, Mitchell Joblin, Volker Tresp. Reasoning On Knowledge Graphs With Debate Dynamics. AAAI 2020