AAA1-17 Doctoral Consortium (DC)

Agenda

4-5 February 2017 | San Francisco, CA
Co-Chair: David W. Aha (NRL: david.aha@nrl.navy.mil)
Co-Chair: Maria Chang (IBM: maria.chang@ibm.com)
Venue: Hilton San Francisco Union Square
Room: 24 (Coffee Breaks and Lunches: 23)
http://home.earthlink.net/~dwaha/research/meetings/aaai17-dc/

Day 1: 4 February 2017 (Saturday)

09:00-09:40: Welcome! (Co-Chairs)
09:40-10:20: Accelerating Multiagent Reinforcement Learning through Transfer Learning
Felipe Leno da Silva, U. São Paulo, Brazil (Mentor: Matt Taylor, WSU)
10:20-11:00: Improving Deep Reinforcement Learning with Knowledge Transfer
Ruben Glatt, U. São Paulo, Brazil (Mentor: Matt Taylor, WSU)
11:00-11:20: Coffee Break
11:20-12:20: Invited Talk: Marie desJardins (UMBC)
12:20-01:20: Lunch (for DC Students, mentors, and invited speaker)
01:20-02:00: An Evolutionary Algorithm Based Framework for Task Allocation in Multi-Robot Teams
Muhammad Usman Arif, IBA, Pakistan (Mentor: Sven Koenig, USC)
02:00-02:40: Joint Learning of Structural and Textual Features for Web Scale Event Extraction
Julia Wiedmann, Oxford U., UK (Mentor: Eric Eaton, U. Penn.)
02:40-03:00: Break (no food/drinks)
03:00-03:40: Explainable Image Understanding using Vision and Reasoning
Somak Aditya, ASU, USA (Mentor: Wei Liu, Columbia U.)
03:40-04:20: Problem Formulation for Accommodation Support in Plan-Based Interactive Narratives
Adam Amos-Binks, NCSU, USA (Mentor: Karen Myers, SRI)
04:20-04:40: Coffee Break
04:40-05:20: Problems in Large-Scale Image Classification
Yuchen Guo, Tsinghua U., China (Mentor: Wei Liu, Columbia U.)
05:20-06:00: V for Verification: Intelligent Algorithm of Checking Reliability of Smart Systems
Anna Lukina, TU Wien, Austria (Mentor: Maria Gini, U. Minn.)
06:00-07:00: Student Newcomer Reception (Location: Continental 6 on the Ballroom Level)
07:00: Depart (before the reception is over) for the DC Group Dinner
07:30-TBD: DC Group Dinner @ Hilton San Francisco
Day 2: 5 February 2017 (Sunday)

09:00-09:40: Transfer of Knowledge through Collective Learning  
Mohammad Rostami, U. Pennsylvania, USA (Mentor: Christopher Kiekintveld, UTEP)

09:40-10:20: Modelling Familiarity for Intelligent Personalized Social Mobilization  
Zhengxiang Pan, NTU, Singapore (Mentor: Daniela Braga, DefinedCrowd)

10:20-10:40: Coffee Break

Feng Liu, UT Arlington, USA (Mentor: Kartik Talamadupula, IBM)

11:20-12:00: Representations for Continuous Learning  
David Isele, U. Pennsylvania, USA (Mentor: Shiwali Mohan, PARC)

12:00-01:00: Lunch (for DC Students and the mentors)

01:00-02:00: Careers Panel: Maria Chang (IBM, USA)  
- Eric Eaton (U. Pennsylvania, USA)  
- Jeremy Frank (NASA Ames Research Center, USA)  
- Vikas Shivashankar (Knexus Research Corp., USA)

02:00-02:20: Break (no food/drinks)

02:20-03:00: Scalable Nonparametric Tensor Analysis  
Shandian Zhe, Purdue U., USA (Mentor: Biplav Srivastava, IBM)

03:00-03:40: Project Scheduling in Complex Business Environments  
Wen Song, NTU, Singapore (Mentor: Jeremy Frank, NASA/ARC)

03:40-04:00: Coffee Break

04:00-04:40: Human-Like Spatial Reasoning Formalisms  
Przemyslaw Andrzej Walega, U. Warsaw, Poland (Mentor: Ken Forbus, NWU)

04:40-05:20: Structured Prediction in Time Series Data  
Jia Li, UIC, USA (Mentor: Sakyasingha Dasgupta, IBM)

05:20-05:40: Closing Remarks (Co-Chairs)

Day 3: 6 February 2017 (Monday)

06:30-08:30: Doctoral Consortium Posters (Location: Imperial Ballroom on the Ballroom Level)