Amin Jalali
Rebecca Willett:
University of Wisconsin-Madison, United States

3: DIVIDE-AND-CONQUER TOMOGRAPHY
4: COMPUTATIONAL STRATEGIES FOR LARGE-SCALE NETWORKS
3: SPARSE SUBSPACE CLUSTERING WITH MISSING AND CORRUPTED DATA
4: OPTIMIZING THERMAL COMFORT AND ENERGY CONSUMPTION IN A LARGE BUILDING WITHOUT RENOVATION WORK

1: SEMI-SUPERVISED TRANSFER LEARNING USING MARGINAL PREDICTORS
2: CAUSALITY FROM A DISTRIBUTIONAL PREDICTION PERSPECTIVE

1: MULTI-SCALE ALGORITHMS FOR ONLINE GRAPH LEARNING FROM DIRECTIONAL GRAPH TOPOLOGIES
2: A NOVEL BACKBONE NETWORK ANOMALY DETECTOR VIA CLUSTERING IN SKETCH SPACE
3: SPARSEST NETWORK SUPPORT RECOVERY VIA SDP APPROACHES
4: OPTIMIZING THERMAL COMFORT AND ENERGY CONSUMPTION IN A LARGE BUILDING WITHOUT RENOVATION WORK

12.30 Industry Outlook
1: Opportunities for machine learning in the manufacturing Industry
Srirkrishna Chaitanya Konduru, Data Scientist, Bühler Group
2: AutoML for Text Classification
Claudiu Musat, Research Director, Artificial Intelligence & Machine Learning Group, Swisson
3: HIGH DIMENSIONAL CHANGE POINT ESTIMATION VIA SPARSE ANDERSON-DARLING TEST AND ONE-SAMPLE PROJECTIONS
Sundeep Chepuri, Texture and Speech Research Group, Microsoft
4: OPTIMIZING THERMAL COMFORT AND ENERGY CONSUMPTION IN A LARGE BUILDING WITHOUT RENOVATION WORK
Sylvain Le Corf: CNRS, Université Paris-Sud, Université Paris Saclay, France
5: FALSE DISCOVERY RATE CONTROL WITH CONCAVE PENALTIES USING STABILITY SELECTION
Bhanukiran Vinzamuri, Kush R. Varshney, IBM Research, United States
6: LEARNING FROM SIGNALS DEFINED OVER SIMPLICIAL COMPLEXES
Sergio Barbarossa, University of Salerno, Italy
7: DISTRIBUTED NONPARAMETRIC DETECTION USING ONE-SAMPLE ANDERSON-DARLING TEST AND P-VALUE FUSION
Stephen Krzakick, Carnegie Mellon University, United States
8: LEARNING FLEXIBLE REPRESENTATIONS OF STOCHASTIC PROCESSES ON GRAPHS
Addison Bohannon, US Army Research Laboratory, United States
9: PREDICTIVE MAINTENANCE OF PHOTOVOLTAIC PANELS VIA DEEP LEARNING
Timo Huhtanen, Aalto University, Espoo, Finland
10: ENDMEMBER EXTRACTION ON THE GRASSMANIAN
Elin Farnell, Indiana University, United States
11: DATA SCIENCE FOR ON-THE-GO PREDICTION OF STUDENT PERFORMANCE
Hernan Martinez, University of California, United States
12: NEARLY OPTIMAL ROBUST ENSAMBLE OF DERIVATIVE-FREE OPTIMIZATION ALGORITHMS
Praneeth Narayanamurthy, Aalto University, Espoo, Finland
13: RESTRICTED ISOMETRY PROPERTY FOR LOW-DIMENSIONAL SUBSPACES AND ITS APPLICATION IN COMPRESSED SUBSPACE CLUSTERING
Genc Li, Tsinghua University, China
14: FEATURE LEARNING OF VIRUS GENOME EVOLUTION WITH THE NUCLEOTIDE SKIP-GRAM NEURAL NETWORK
Hyunjin Shin: Ecole Polytechnique Fédérale de Lausanne, Switzerland
15: DISTRIBUTED NONPARAMETRIC DETECTION USING ONE-SAMPLE ANDERSON-DARLING TEST AND P-VALUE FUSION
Steve Krzakick, Carnegie Mellon University, United States
16: JOINT ESTIMATION OF LOW-RANK COMPONENTS AND GRAPH IN GROSSLY-CORRUPTED DATA
Rui Liu: Singapore University of Technology and Design
17: FROST — FAST ROW-STOCHASTIC OPTIMIZATION WITH UNCOORDINATED STEP-SIZES
Ran Xin, Tufts University

13.00 Lunch break

14.00 Keynote
Volkar Volker
Technische Universität Berlin, Germany

1: ONLINE GRAPH LEARNING FROM DIRECTIONAL GRAPH TOPOLOGIES
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10.00 Coffee break

10.30 Lecture
Learning
Session Chair: Visa Koivunen
1: SEMI-SUPERVISED TRANSFER LEARNING USING MARGINAL PREDICTORS
Aniket Deshmukh: University of Michigan, United States
Emil Laftchiev; Mitsubishi Electric Research Labs, United States
2: SEMI-BLIND INFERENCE OF TOPOLOGIES AND SIGNALS OVER GRAPHS
Vassiliis N. Ioannidis: University of Minnesota, United States
Augusto Santos: École Polytechnique Fédérale de Lausanne, Switzerland
3: DIVIDE-AND-CONQUER TOMOGRAPHY FOR LARGE-SCALE NETWORKS
All H. Sayed: University of California, United States
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15.00 Coffee break
<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>9.00</td>
<td>Keynote</td>
<td>Lisa Amini, Director, IBM Research, USA</td>
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<tr>
<td>10.00</td>
<td>Coffee break</td>
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</tr>
<tr>
<td>10.30</td>
<td>Special Session Lecture</td>
<td>CNNs for Graph Data</td>
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<tr>
<td>12.30</td>
<td>Industry Outlook</td>
<td></td>
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<tr>
<td>13.00</td>
<td>Lunch break</td>
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<tr>
<td>14.00</td>
<td>Keynote</td>
<td>Andreas Krause, ETH Zurich, Switzerland</td>
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<tr>
<td>15.00</td>
<td>Coffee break</td>
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<tr>
<td>15.30</td>
<td>Data Science 2</td>
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<tr>
<td>16.30</td>
<td>Lecture</td>
<td>Data Science Theory</td>
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<tr>
<td>17.00</td>
<td>Principal</td>
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<tr>
<td>18.00</td>
<td>Olympic Museum Visit and Cocktail</td>
<td>22.00</td>
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</tbody>
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**Wednesday June 6th**

**9.00**  
**Keynote**  
Lisa Amini, Director, IBM Research, USA  
Why AI needs even more Data Science, and vice versa

**10.00**  
**Coffee break**

**10.30**  
**Special Session Lecture**  
CNNs for Graph Data  
Session Chairs: Antonio G. Marques, Geert Leus, and Alejandro Ribeiro

**12.30**  
**Industry Outlook**  
1: Building machine learning products: from the whiteboard to the field  
Gregory Mermoud, Senior Technical Leader, Cisco  
2: Applied Reinforcement Learning: challenges and open problems  
Hugo Penedones, Research Engineer, Google DeepMind

**13.00**  
**Lunch break**

**14.00**  
**Keynote**  
Victoria Stodden, UIUC, USA  
Reproducibility and Generalizability in Data-enabled Discovery

**15.00**  
**Coffee break**

**15.30**  
**Grand Challenge: Investment Ranking Challenge**

**17.00**  
**Principal**