

# 1<sup>st</sup> International Workshop on GeoAI

8:00 am	9:00 am	<b>Breakfast</b>
9:00 am	9:10 am	<b>Welcome and announcements</b>
9:10 am	9:50 am	<b>Keynote: Geographic Knowledge Discovery Using Ground-Level Images and Videos</b> Shawn Newsam, <i>University of California at Merced</i>
9:50 am	10:10 am	<b>Deep Learning for Multisensor Image Resolution Enhancement</b> Charles Collins, <i>University of Alabama in Huntsville</i> John Beck, <i>University of Alabama in Huntsville</i> Susan Bridges, <i>University of Alabama in Huntsville</i>
10:10 am	10:30am	<b>Automatic Alignment of Vector Data with Geographic Features for Feature Recognition in Historical Maps</b> Weiwei Duan, <i>University of Southern California</i> Yao-Yi Chiang, <i>University of Southern California</i> Craig A. Knoblock, <i>University of Southern California</i>
10:30 am	11:00 am	<b>Coffee break</b>
11:00 am	11:20 am	<b>Visual Landmark Sequence-based Indoor Localization</b> Qing Li, <i>University of Nottingham</i> Jiasong Zhu, <i>Shenzhen University</i> Tao Liu, <i>Wuhan University</i> Jonathan Garibaldi, <i>University of Nottingham</i> Qingquan Li, <i>Shenzhen University</i>
11:20 am	11:40 am	<b>Finding Equivalent Attributes: Semantic Similarity Computation Based on Extensional Definitions</b> Ivan Majic, <i>The University of Melbourne</i> Stephan Winter, <i>The University of Melbourne</i> Martin Tomko, <i>The University of Melbourne</i>
11:40 am	11:55 am	<b>Image-based Classification of GPS Noise Level using Convolutional Neural Networks for Accurate Distance Estimation</b> James Murphy, <i>Lyft</i> Yuanyuan Pao, <i>Lyft</i> Asif Haque, <i>Lyft</i>
12:00 pm	1:30 pm	<b>Lunch (not provided)</b>
1:30 pm	2:10 pm	<b>Keynote: Using AI to Help Generate Roads for OpenStreetMap</b> Saikat Basu, <i>Facebook</i> Drishtie Patel, <i>Facebook</i>
2:10 pm	2:25 pm	<b>Generating Synthetic Mobility Traffic using Recurrent Neural Networks</b> Vaibhav Kulkarni, <i>University of Lausanne</i> Benoît Garbinato, <i>University of Lausanne</i>
2:25 pm	2:40 pm	<b>An Application of Convolutional Neural Network in Street Image Classification</b> Stephen Law, <i>Alan Turing Institute and University College London</i> Yao Shen, <i>University College London</i> Chanuki Seresinhe, <i>Alan Turing Institute and Warwick</i>

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2:40 pm	2:55 pm	<b>Recognizing Terrain Features on Terrestrial Surface Using a Deep Learning Model -- An Example with Crater Detection</b> Wenwen Li, <i>Arizona State University</i> Bin Zhou, <i>Brisky Inc.</i> Chia-Yu Hsu, <i>Arizona State University</i> Yixing Li, <i>Arizona State University</i> Fengbo Ren, <i>Arizona State University</i>
3:00 pm	3:30 pm	<b>Wrap up discussion – Future Direction and Collaboration Opportunities</b>
3:30 pm	4:00 pm	<b>Coffee break</b>

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