

AI for Social Impact Special Track Schedule

Sutton South, 2nd floor

Sunday, February 9

***Special Track on AI for Social Impact Invited Speaker Session** **Sunday, February 9: 9:30 AM – 10:45 AM**

Ernest Mwebaze (Makerere University, Uganda)
Title: Contextualizing AI for Social Good

Sekou Remy (IBM, USA)
Title: Bridging Silos: An Example of Global Health and Machine Learning in Sub-Saharan Africa

***AI for Social Impact Special Track Session** **Sunday, February 9: 11:15 – 12:35 AM**

AISI248: The Unreasonable Effectiveness of Inverse Reinforcement Learning in Advancing Cancer Research
John Kalantari, Heidi Nelson, Nicholas Chia

AISI124: The Stanford Acuity Test: A Precise Vision Test Using Bayesian Techniques and a Discovery in Human Visual Response
Chris Piech, Ali Malik, Laura M. Scott, Robert T. Chang, Charles Lin

AISI166: Guided Weak Supervision for Action Recognition with Scarce Data to Assess Skills of Children with Autism
Prashant Pandey, Prathosh AP, Manu Kohli, Josh Pritchard

AISI155: Discriminating Cognitive Disequilibrium and Flow in Problem Solving: A Semi-Supervised Approach Using Involuntary Dynamic Behavioral Signals
Mononito Goswami, Lujie Chen, Artur Dubrawski

***AI for Social Impact Special Track Session** **Sunday, February 9: 2:00 – 3:20 PM**

AISI131: Lightweight and Robust Representation of Economic Scales from Satellite Imagery
Sungwon Han, Donghyun Ahn, Hyunji Cha, Jeasurk Yang, Sungwon Park, Meeyoung Cha

AISI191: Inferring Nighttime Satellite Imagery from Human Mobility
Brian Dickinson, Gourab Ghoshal, Xerxes Dotiwalla, Adam Sadilek, Henry Kautz

AISI8: Detecting and Tracking Communal Bird Roosts in Weather Radar Data

Zezhou Cheng, Saadia Gabriel, Pankaj Bhambhani, Daniel Sheldon, Subhransu Maji, Andrew Laughlin, David Winkler

AISI118: A Distributed Multi-Sensor Machine Learning Approach to Earthquake Early Warning
Kevin Fauvel, Daniel Balouek-Thomert, Diego Melgar, Pedro Silva, Anthony Simonet, Gabriel Antoniu, Alexandru Costan, Véronique Masson, Manish Parashar, Ivan Rodero, Alexandre Termier

***AI for Social Impact Special Track Session
Sunday, February 9: 3:45 – 5:25 PM**

AISI196: Crisis-DIAS: Towards Multimodal Damage Analysis - Deployment, Challenges and Assessment
Mansi Agarwal, Maitree Leekha, Ramit Sawhney, Rajiv Ratn Shah

AISI222: On Identifying Hashtags in Disaster Twitter Data
Jishnu Ray Chowdhury, Cornelia Caragea, Doina Caragea

AISI30: Tracking Disaster Footprints with Social Streaming Data
Lu Cheng, Jundong Li, K. Selcuk Candan, Huan Liu

AISI146: Weakly-Supervised Fine-Grained Event Recognition on Social Media Texts for Disaster Management
Wenlin Yao, Cheng Zhang, Shiva Saravanan, Ruihong Huang, Ali Mostafavi

AISI145: Unsupervised Detection of Sub-Events in Large Scale Disasters
Chidubem Archie, Manas Gaur, Sam Anzaroot, William Groves, Ke Zhang, Alejandro Jaimes

Monday, February 10

***AI for Social Impact Special Track Session
Monday, February 10: 9:30 – 10:50 PM**

AISI211: Automatically Neutralizing Subjective Bias in Text
Reid Pryzant, Richard Diehl Martinez, Nathan Dass, Sadao Kurohashi, Dan Jurafsky, Diyi Yang

AISI221: Faking Fairness via Stealthily Biased Sampling
Kazuto Fukuchi, Satoshi Hara, Takanori Maehara

AISI223: FairyTED: A Fair Rating Predictor for TED Talk Data
Rupam Acharyya, Shouman Das, Ankani Chattoraj, Md. Iftekhar Tanveer

AISI125: Protecting Geolocation Privacy of Photo Collections
Jinghan Yang, Ayan Chakrabarti, Yevgeniy Vorobeychik

***AI for Social Impact Special Track Session**
Monday, February 10: 11:15 AM – 12:35 PM

AISI130: Voice for the Voiceless: Active Sampling to Detect Comments Supporting the Rohingya
Shriphani Palakodety, Ashiqur R. KhudaBukhsh, Jaime G. Carbonell

AISI105: Capturing the Style of Fake News
Piotr Przybyła

AISI213: Weak Supervision for Fake News Detection via Reinforcement Learning
Yaqing Wang, Weifeng Yang, Fenglong Ma, Jin Xu, Bin Zhong, Qiang Deng, Jing Gao

AISI241: Hindi-English Hate Speech Detection: Author Profiling, Debiasing and Practical Perspectives
Shivang Chopra, Ramit Sawhney, Puneet Mathur, Rajiv Ratn Shah

***AI for Social Impact Special Track Session**
Monday, February 10: 2:00 – 3:05 PM

AISI121: Linguistic Fingerprints of Internet Censorship: The Case of Sina Weibo
Kei Yin Ng, Anna Feldman, Jing Peng

AISI116: Interactive Learning with Proactive Cognition Enhancement for Crowd Workers
Jing Zhang, Huihui Wang, Shunmei Meng, Victor S. Sheng

AISI232: Neural Approximate Dynamic Programming for On-Demand Ride-Pooling
Sanket Shah, Meghna Lowalekar, Pradeep Varakantham

AISI87: Spatio-Temporal Attention-Based Neural Network for Credit Card Fraud Detection
Dawei Cheng, Sheng Xiang, Chencheng Shang, Yiyi Zhang, Fangzhou Yang, Liqing Zhang

***AI for Social Impact Special Track Invited Speaker Session**
Monday, February 10: 3:45 – 4:15 PM

Kevin Leyton-Brown (University of British Columbia, Canada)
[Title TBA]

Olubayo Adekanmbi (MTN, Nigeria)
Title: AI for Sustainable Social Impact: Emerging Market Perspectives on Inclusive Talent Building for High-Impact Use Cases