

AAAI-20 Accepted Papers

Special Track on AI for Social Impact

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

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

30: Tracking Disaster Footprints with Social Streaming Data

Lu Cheng, Jundong Li, K. Selcuk Candan, Huan Liu

87: Spatio-Temporal Attention-Based Neural Network for Credit Card Fraud Detection

Dawei Cheng, Sheng Xiang, Chencheng Shang, Yiyi Zhang, Fangzhou Yang, Liqing Zhang

105: Capturing the Style of Fake News

Piotr Przybyła

116: Interactive Learning with Proactive Cognition Enhancement for Crowd Workers

Jing Zhang, Huihui Wang, Shunmei Meng, Victor S. Sheng

118: 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

121: Linguistic Fingerprints of Internet Censorship: The Case of Sina Weibo

Kei Yin Ng, Anna Feldman, Jing Peng

124: 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

125: Protecting Geolocation Privacy of Photo Collections

Jinghan Yang, Ayan Chakrabarti, Yevgeniy Vorobeychik

130: Voice for the Voiceless: Active Sampling to Detect Comments Supporting the Rohingyas

Shriphani Palakodety, Ashiqur R. KhudaBukhsh, Jaime G. Carbonell

131: Lightweight and Robust Representation of Economic Scales from Satellite Imagery

Sungwon Han, Donghyun Ahn, Hyunji Cha, Jeasurk Yang, Sungwon Park, Meeyoung Cha

145: Unsupervised Detection of Sub-Events in Large Scale Disasters

Chidubem Archie, Manas Gaur, Sam Anzaroot, William Groves, Ke Zhang, Alejandro Jaimes

146: Weakly-Supervised Fine-Grained Event Recognition on Social Media Texts for Disaster Management

Wenlin Yao, Cheng Zhang, Shiva Saravanan, Ruihong Huang, Ali Mostafavi

155: Discriminating Cognitive Disequilibrium and Flow in Problem Solving: A Semi-Supervised Approach Using Involuntary Dynamic Behavioral Signals

Mononito Goswami, Lujie Chen, Artur Dubrawski

166: Guided Weak Supervision for Action Recognition with Scarce Data to Assess Skills of Children with Autism

Prashant Pandey, Prathosh AP, Manu Kohli, Josh Pritchard

191: Inferring Nighttime Satellite Imagery from Human Mobility

Brian Dickinson, Gourab Ghoshal, Xerxes Dotiwalla, Adam Sadilek, Henry Kautz

196: Crisis-DIAS: Towards Multimodal Damage Analysis - Deployment, Challenges and Assessment

Mansi Agarwal, Maitree Leekha, Ramit Sawhney, Rajiv Ratn Shah

211: Automatically Neutralizing Subjective Bias in Text

Reid Pryzant, Richard Diehl Martinez, Nathan Dass, Sadao Kurohashi, Dan Jurafsky, Diyi Yang

213: Weak Supervision for Fake News Detection via Reinforcement Learning

Yaqing Wang, Weifeng Yang, Fenglong Ma, Jin Xu, Bin Zhong, Qiang Deng, Jing Gao

221: Faking Fairness via Stealthily Biased Sampling

Kazuto Fukuchi, Satoshi Hara, Takanori Maehara

222: On Identifying Hashtags in Disaster Twitter Data

Jishnu Ray Chowdhury, Cornelia Caragea, Doina Caragea

223: FairyTED: A Fair Rating Predictor for TED Talk Data

Rupam Acharyya, Shouman Das, Ankani Chattoraj, Md. Iftekhar Tanveer

232: Neural Approximate Dynamic Programming for On-Demand Ride-Pooling

Sanket Shah, Meghna Lowalekar, Pradeep Varakantham

241: Hindi-English Hate Speech Detection: Author Profiling, Debiasing and Practical Perspectives

Shivang Chopra, Ramit Sawhney, Puneet Mathur, Rajiv Ratn Shah

248: The Unreasonable Effectiveness of Inverse Reinforcement Learning in Advancing Cancer Research

John Kalantari, Heidi Nelson, Nicholas Chia

