

# **Eighth AAAI Conference on Human Computation and Crowdsourcing (HCOMP 2020)**

Held Online

Hilversum, The Netherlands  
25 – 29 October 2020

ISBN: 978-1-7138-5588-0

**Printed from e-media with permission by:**

Curran Associates, Inc.  
57 Morehouse Lane  
Red Hook, NY 12571



**Some format issues inherent in the e-media version may also appear in this print version.**

Copyright© (2020) by Association for the Advancement of Artificial Intelligence  
All rights reserved.

Printed with permission by Curran Associates, Inc. (2022)

For permission requests, please contact Association for the Advancement of Artificial Intelligence  
at the address below.

Association for the Advancement of Artificial Intelligence  
2275 East Bayshore Road  
Suite 160  
Palo Alto, California 94303  
USA

Phone: 1-650-328-3123  
Fax: 1-650-321-4457

<https://aaai.org/Press/press.php>

**Additional copies of this publication are available from:**

Curran Associates, Inc.  
57 Morehouse Lane  
Red Hook, NY 12571 USA  
Phone: 845-758-0400  
Fax: 845-758-2633  
Email: [curran@proceedings.com](mailto:curran@proceedings.com)  
Web: [www.proceedings.com](http://www.proceedings.com)

## TABLE OF CONTENTS

### **FULL PAPERS**

Trainbot: A Conversational Interface to Train Crowd Workers for Delivering On-Demand Therapy.....	3
<i>Tahir Abbas, Vassilis-Javed Khan, Ujwal Gadiraju, Panos Markopoulos</i>	
Privacy-Preserving Face Redaction Using Crowdsourcing .....	13
<i>Abdullah B. Alshaibani, Sylvia T. Carrell, Li-Hsin Tseng, Jungmin Shin, Alexander J. Quinn</i>	
CrowDEA: Multi-View Idea Prioritization with Crowds.....	23
<i>Yukino Baba, Jiyi Li, Hisashi Kashima</i>	
Fast, Accurate, and Healthier: Interactive Blurring Helps Moderators Reduce Exposure to Harmful Content .....	33
<i>Anubrata Das, Brandon Dang, Matthew Lease</i>	
Impact of Algorithmic Decision Making on Human Behavior: Evidence from Ultimatum Bargaining .....	43
<i>Alexander Erlei, Franck Awounang Nekdem, Lukas Meub, Avishek Anand, Ujwal Gadiraju</i>	
How Context Influences Cross-Device Task Acceptance in Crowd Work .....	53
<i>Danula Hettiachchi, Senuri Wijenayake, Simo Hosio, Vassilis Kostakos, Jorge Goncalves</i>	
Soliciting Human-In-The-Loop User Feedback for Interactive Machine Learning Reduces User Trust and Impressions of Model Accuracy.....	63
<i>Donald R. Honeycutt, Mahsan Nourani, Eric D. Ragan</i>	
Enhancing Collective Estimates by Aggregating Cardinal and Ordinal Inputs .....	73
<i>Ryan Kemmer, Yeawon Yoo, Adolfo R. Escobedo, Ross Maciejewski</i>	
Understanding the Effects of Explanation Types and User Motivations on Recommender System Use.....	83
<i>Qing Li, Sharon Lynn Chu, Nanjie Rao, Mahsan Nourani</i>	
Predicting Crowdworkers' Performance as Human-Sensors for Robot Navigation.....	92
<i>Nir Machlev, David Sarne</i>	
Effective Operator Summaries Extraction.....	102
<i>Ido Nimni, David Sarne</i>	
The Role of Domain Expertise in User Trust and the Impact of First Impressions with Intelligent Systems.....	112
<i>Mahsan Nourani, Joanie T. King, Eric D. Ragan</i>	
Motivating Novice Crowd Workers Through Goal Setting: An Investigation into the Effects on Complex Crowdsourcing Task Training .....	122
<i>Amy Rechkemmer, Ming Yin</i>	
Verifying Extended Entity Relationship Diagrams with Open Tasks .....	132
<i>Marta Sabou, Klemens Käsznar, Markus Zlabinger, Stefan Biffl, Dietmar Winkler</i>	

Analyzing Workers Performance in Online Mapping Tasks Across Web, Mobile, and Virtual Reality Platforms .....	141
<i>Gerard Van Alphen, Sihang Qiu, Alessandro Bozzon, Geert-Jan Houben</i>	

## **SHORT PAPERS**

Modeling Annotator Perspective and Polarized Opinions to Improve Hate Speech Detection .....	151
<i>Sohail Akhtar, Valerio Basile, Viviana Patti</i>	
Does Exposure to Diverse Perspectives Mitigate Biases in Crowdwork? an Explorative Study .....	155
<i>Xiaoni Duan, Chien-Ju Ho, Ming Yin</i>	
The Challenges of Crowd Workers in Rural and Urban America .....	159
<i>Claudia Flores-Saviaga, Yuwen Li, Benjamin V. Hanrahan, Jeffrey Bigham, Saiph Savage</i>	
Batch Prioritization of Data Labeling Tasks for Training Classifiers .....	163
<i>Masanari Kimura, Kei Wakabayashi, Atsuyuki Morishima</i>	
How Useful Are the Machine-Generated Interpretations to General Users? a Human Evaluation on Guessing the Incorrectly Predicted Labels .....	168
<i>Hua Shen, Ting-Hao (Kenneth) Huang</i>	
A Case for Soft Loss Functions .....	173
<i>Alexandra Uma, Tommaso Fornaciari, Dirk Hovy, Silviu Paun, Barbara Plank, Massimo Poesio</i>	
Schema and Metadata Guide the Collective Generation of Relevant and Diverse Work .....	178
<i>Xiaotong (Tone) Xu, Judith E. Fan, Steven P. Dow</i>	

## **Author Index**