

Seventh AAAI Conference on Human Computation and Crowdsourcing (HCOMP 2019)

Stevenson, Washington, USA
28 – 30 October 2019

ISBN: 978-1-7138-5592-7

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© (2019) 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
Web: www.proceedings.com

TABLE OF CONTENTS

TECHNICAL PAPERS

Beyond Accuracy: The Role of Mental Models in Human-AI Team Performance.....	2
<i>Gagan Bansal, Besmira Nushi, Ece Kamar, Walter S. Lasecki, Daniel S. Weld, Eric Horvitz</i>	
Not Everyone Writes Good Examples but Good Examples Can Come from Anywhere	12
<i>Shayan Doroudi, Ece Kamar, Emma Brunskill</i>	
Who is in Your Top Three? Optimizing Learning in Elections with Many Candidates.....	22
<i>Nikhil Garg, Lodewijk L. Gelauff, Sukolsak Sakshuwong, Ashish Goel</i>	
Interpretable Image Recognition with Hierarchical Prototypes.....	32
<i>Peter Hase, Chaofan Chen, Oscar Li, Cynthia Rudin</i>	
Crowdsourced PAC Learning Under Classification Noise.....	41
<i>Shelby Heinecke, Lev Reyzin</i>	
Testing Stylistic Interventions to Reduce Emotional Impact of Content Moderation Workers	50
<i>Sowmya Karunakaran, Rashmi Ramakrishan</i>	
Human Evaluation of Models Built for Interpretability	59
<i>Isaac Lage, Emily Chen, Jeffrey He, Menaka Narayanan, Been Kim, Samuel J. Gershman, Finale Doshi-Velez</i>	
Learning to Predict Population-Level Label Distributions.....	68
<i>Tong Liu, Akash Venkatachalam, Pratik Sanjay Bongale, Christopher M. Homan</i>	
Progression in a Language Annotation Game with a Purpose.....	77
<i>Chris Madge, Juntao Yu, Jon Chamberlain, Udo Kruschwitz, Silviu Paun, Massimo Poesio</i>	
Second Opinion: Supporting Last-Mile Person Identification with Crowdsourcing and Face Recognition	86
<i>Vikram Mohanty, Kareem Abdol-Hamid, Courtney Ebersohl, Kurt Luther</i>	
The Effects of Meaningful and Meaningless Explanations on Trust and Perceived System Accuracy in Intelligent Systems	97
<i>Mahsan Nourani, Samia Kabir, Sina Mohseni, Eric D. Ragan</i>	
How Do We Talk About Other People? Group (Un)Fairness in Natural Language Image Descriptions.....	106
<i>Jahna Otterbacher, Pinar Barlas, Styliani Kleanthous, Kyriakos Kyriakou</i>	
AI-Based Request Augmentation to Increase Crowdsourcing Participation	115
<i>Junwon Park, Ranjay Krishna, Pranav Khadpe, Li Fei-Fei, Michael Bernstein</i>	
What You See is What You Get? the Impact of Representation Criteria on Human Bias in Hiring	125
<i>Andi Peng, Besmira Nushi, Emre Kiciman, Kori Inkpen, Siddharth Suri, Ece Kamar</i>	
Platform-Related Factors in Repeatability and Reproducibility of Crowdsourcing Tasks	135
<i>Rehab Qarout, Alessandro Checco, Gianluca Demartini, Kalina Bontcheva</i>	

Understanding the Impact of Text Highlighting in Crowdsourcing Tasks	144
<i>Jorge Ramírez, Marcos Baez, Fabio Casati, Boualem Benatallah</i>	
Can You Explain That? Lucid Explanations Help Human-AI Collaborative Image Retrieval	153
<i>Arijit Ray, Yi Yao, Rakesh Kumar, Ajay Divakaran, Giedrius Burachas</i>	
Going Against the (Appropriate) Flow: A Contextual Integrity Approach to Privacy Policy Analysis	162
<i>Yan Shvartzshnaider, Noah Apthorpe, Nick Feamster, Helen Nissenbaum</i>	
Studying the “Wisdom of Crowds” at Scale.....	171
<i>Camelia Simoiu, Chiraag Sumanth, Alok Mysore, Sharad Goel</i>	
A Hybrid Approach to Identifying Unknown Unknowns of Predictive Models	180
<i>Colin Vandenhof</i>	
Gamification of Loop-Invariant Discovery from Code	188
<i>Andrew T. Walter, Benjamin Boskin, Seth Cooper, Panagiotis Manolios</i>	
Fair Work: Crowd Work Minimum Wage with One Line of Code.....	197
<i>Mark E. Whiting, Grant Hugh, Michael S. Bernstein</i>	

Author Index