

## AAAI HCOMP 2024 Preface

The Twelfth AAAI Conference on Human Computation and Crowdsourcing (HCOMP 2024) was held between October 16<sup>th</sup> and 19<sup>th</sup> in Pittsburgh, Pennsylvania and focused on the theme of “*Responsible Crowd Work for Better AI*.”

HCOMP is the premier venue for disseminating the latest research findings on human computation and crowdsourcing. While artificial intelligence (AI) and human-computer interaction (HCI) represent traditional mainstays of the conference, HCOMP believes strongly in fostering and promoting broad, interdisciplinary research. Our field is particularly unique in the diversity of disciplines it draws upon and contributes to, including human-centered qualitative studies and HCI design, social computing, artificial intelligence, economics, computational social science, digital humanities, policy, and ethics. We promote the exchange of advances in human computation and crowdsourcing not only among researchers but also engineers and practitioners to encourage dialogue across disciplines and communities of practice. HCOMP 2024 is co-located in Pittsburgh with the ACM Symposium on User Interface Software and Technology (UIST 2024), the premier forum for innovations in human-computer interfaces held between October 13<sup>th</sup> and 16<sup>th</sup>.

HCOMP 2024 built on a successful history of past meetings: eleven HCOMP conferences (2013—2023) and four earlier workshops, held at the AAAI Conference on Artificial Intelligence (2011—2012), and the ACM SIGKDD Conference on Knowledge Discovery and Data Mining (2009—2010).

The HCOMP 2024 program included **two keynote talks**. The first keynote talk titled, ‘*Do You Know Where Your Training Data Came From?*’ was delivered by Vivek Seshadri, a Cofounder of Karya and Principal Researcher at Microsoft Research India. The second keynote talk titled, ‘*Diversity, Non-Discrimination and Fairness in AI: From Technical Approaches to Education and Social Engagement in the Era of Generative AI*’, was delivered by Jahna Otterbacher, Associate Professor and Dean of the School of Pure and Applied Sciences at the Open University of Cyprus. The main technical program consisted of 14 full research papers across three paper sessions, grouped thematically as follows:

- **Paper Session I** — *Human Computation, Microtask Crowdsourcing, and Privacy*
- **Paper Session II** — *Humans and Large Language Models*
- **Paper Session III** — *All About AI: Interactions, Risks, and Biases*

The first ever **HCOMP Test of Time and Impact Award** was announced at HCOMP 2024. The award recognizes the most impactful HCOMP paper published a decade ago (withstanding the test of 10 years worth of time). For the instantiation of this award, papers published at the conference until the year 2014 were considered. The award was received by Aashish Sheshadri and Matthew Lease for their AAAI HCOMP 2013 paper titled, “*Square: A benchmark for research on computing crowd consensus.*” This paper had received the most number of citations during this period and was instrumental in shaping work related to crowd consensus and efforts to improve response aggregation methods in crowdsourcing. The paper presented an open source shared task framework including benchmark datasets, defined tasks, standard metrics, and reference implementations with empirical results for several popular methods.

In addition, the program consisted of a poster session showcasing accepted papers from the **Works-in-Progress and Demonstration** track alongside the **Doctoral Consortium** posters. The program included **Crowd Camp**, a hackathon for researchers and practitioners interested in crowdsourcing, human computation, collective intelligence, and AI. The **Doctoral Consortium** was also held in parallel with the following **workshops** on the last day of the conference, October 16<sup>th</sup>:

1. *Responsible Crowdsourcing for Responsible Generative AI: Engaging Crowds in AI Auditing and Evaluation*
2. *Participatory AI for Public Sector*
3. *Human Computation, Equitable, and Innovative Future of Work AI Tools*

## **AAAI HCOMP 2024 Paper Awards**

This year, among all 51 submitted full papers, the organization committee selected two papers for the Best Paper Honorable Mention award and one Best Paper Award winner.

**Best Paper Award** winner —

- *Investigating What Factors Influence Users' Rating of Harmful Algorithmic Bias and Discrimination.* Sara Kingsley, Jiayin Zhi, Wesley Hanwen Deng, Jaimie Lee, Sizhe Zhang, Motahhare Eslami, Kenneth Holstein, Jason I. Hong, Tianshi Li and Hong Shen.

**Best Paper Honorable Mention Award** winners —

- *The Atlas of AI Risks: Enhancing Public Understanding of AI Risks.* Edyta Bogucka, Sanja Scepanovic and Daniele Quercia.
- *Utility-Oriented Knowledge Graph Accuracy Estimation with Limited Annotations: A Case Study on DBpedia.* Stefano Marchesin, Gianmaria Silvello and Omar Alonso.

## **HCOMP-24 Conference Committee**

### **General Chairs**

Gianluca Demartini (The University of Queensland, Australia)

Ujwal Gadiraju (Delft University of Technology, The Netherlands)

### **Work-in-Progress and Demonstration Chairs**

Harmanpreet Kaur (University of Michigan)

Sarah Luger (Orange)

### **Workshops and Tutorials Chairs**

Agathe Balayn (ServiceNow)

Danula Hettiachchi (RMIT University)

## **Doctoral Consortium Chairs**

Simo Hosio (University of Oulu)

Jahna Otterbacher (Open University of Cyprus)

## **Industry and Sponsorship Chairs**

Vikram Mohanty (Bosch Research)

Damiano Spina (RMIT University)

## **Publicity and Networking Chairs**

Senjuti Dutta (University of Tennessee, Knoxville)

Claudia Flores Saviaga (Northeastern University)

Ting-Hao (Kenneth) Huang (Pennsylvania State University)

## **Local Arrangements Chairs**

Jeffrey Bigham (Carnegie Mellon University and Apple)

Sherry Wu (University of Washington)

## **CrowdCamp Chairs**

Amy Rechkemmer (Purdue University)

Mark Whiting (University of Pennsylvania)

Tianyi Li (Purdue University)

## **Website Chairs**

Lorenzo Corti (Delft University of Technology)

Shivani Kapania (Carnegie Mellon University)

## **Logo and Banner Design**

Ji-Youn Jung (Carnegie Mellon University)

## **HCOMP-24 Senior Program Committee**

- Alessandro Bozzon, Delft University of Technology
- Atsuyuki Morishima, University of Tsukuba
- Gabriella Kazai, Amazon
- Jahna Otterbacher, Open University of Cyprus
- Jorge Goncalves, The University of Melbourne
- Stefano Mizzaro, University of Udine

## **HCOMP-24 Program Committee**

- Agathe Balayn, Delft University of Technology
- Alessandro Checco, Università di Roma La Sapienza
- Alex Williams, Amazon
- Amy Rechkemmer, Purdue University
- Andrea Mauri, University of Lyon I
- Boualem Benatallah, UNSW Australia
- Brian McInnis, UC San Diego
- Chien-Ju Ho, Washington University in St. Louis
- Danula Hettiachchi, RMIT University
- Djellel Difallah, NYU
- Fabio Casati, Servicenow
- Gareth Jones, Dublin City University
- Garrett Allen, Delft University of Technology
- Harmanpreet Kaur, University of Minnesota
- Hüseyin Uğur Genç, TU Delft

- Ioanna Lykourantzou, Utrecht University
- Jerome Waldispuhl, McGill University
- Jie Yang, Delft University of Technology
- Kevin Roitero, University of Udine
- Kurt Luther, Virginia Tech
- Mahsan Nourani, Northeastern University
- Maja Vukovic, IBM
- Marco Brambilla, Politecnico di Milano
- Massimo Poesio, Queen Mary University of London
- Matthias Hirth, TU Ilmenau
- Michael Soprano, University of Udine
- Neal Reeves, King's College London
- Oana Inel, University of Zurich
- Omar Alonso, Amazon
- Panos Ipeirotis, New York University
- Saiph Savage, Universidad Nacional Autonoma de Mexico (UNAM)
- Santosh Vempala, Georgia Institute of Technology
- Sarah Tan, Salesforce / Cornell
- Senjuti Dutta, University of Tennessee
- Shaochen Yu, The University of Queensland
- Shaoyang Fan, University of Queensland
- Simo Hosio, University of Oulu
- Ting-Hao Huang, Pennsylvania State University
- V. K. Chaithanya Manam, Reveal AI
- Vassilis-Javed Khan, Sappi Europe
- Yen-Chia Hsu, University of Amsterdam
- Zoltán Szilávik, XITE

## **HCOMP 2024 Sponsors**

AAAI HCOMP 2024 was sponsored by Bloomberg Engineering (silver sponsor) and the Artificial Intelligence Journal (bronze sponsor).