

HCOMP 2018

Town Hall Meeting



Agenda

- HCOMP 2018 Report
- HCOMP 2019 Announcement
- Human Computation Journal
- Open Discussion

HCOMP 2018

July 5-8

Zürich, Switzerland

Co-locating with Collective Intelligence (CI 2018)



Yiling Chen

Harvard University



Gabriella Kazai

Microsoft, Cambridge, UK

Opportunity: Reaching to communities
outside of North America

Program Committee (42 members)



Lora Aroyo

Vrije Universiteit Amsterdam



Ivo Blohm

University of St. Gallen



Alessandro Bozzon

Delft University of Technology



Elisa Celis

EPFL



Christopher Lin

Microsoft



Winter Mason

Facebook



Peter Organisciak

HaitiTrust Research Center



Praveen Paritosh

Google



Alessandro Checco

University of Sheffield



Lydia Chilton

Columbia University



Akash Das Sarma

Stanford University



Arjen P. de Vries

Radboud Universiteit



Genevieve Patterson

Microsoft Research



Martin Potthast

Bauhaus-Universität Weimar



Alex Quinn

Purdue



Filipe Rodrigues

Technical University of Denmark



Enrique Estelles

Catholic University of Valencia



Boi Faltings

EPFL



Fabian Flöck

GESIS – Leibniz Institute for the
Social Sciences



Daniel Haas

B12



Nihar Shah

CMU



Elena Simperl

University of Southampton



Long Tran-Thanh

University of Southampton



Beth Trushkowsky

Harvey Mudd College



Brent Hecht

Northwestern University



Haym Hirsh

Cornell University



Matthias Hirth

University of Würzburg



Chien-Ju Ho

Washington University, St.



Julián Urbano

Delft University of Technology



Rajan Vaish

Snap Research



Matteo Venanzi

Microsoft, UK



Maja Vukovic

IBM Research



Simo Hosio

University of Oulu, Finland



Mahmood Hosseini

Bournemouth University



Panagiotis G. Ipeirotis

New York University



Ece Kamar

Microsoft Research



Chris Welty

Google NYC



Anbang Xu

IBM



Udo Kruschwitz

University of Essex



Chinmay Kulkarni

CMU



Matthew Lease

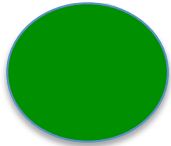
University of Texas, Austin



David Lee

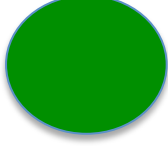
UCSC

Program Committee (19 Europe, 23 USA)



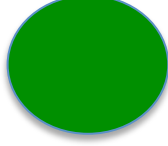
Lora Aroyo

Vrije Universiteit Amsterdam



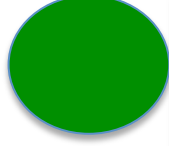
Ivo Blohm

University of St. Gallen



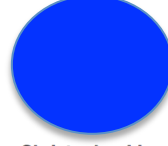
Alessandro Bozzon

Delft University of Technology



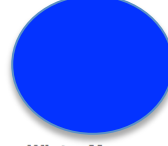
Elisa Celis

EPFL



Christopher Lin

Microsoft



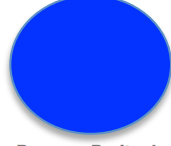
Winter Mason

Facebook



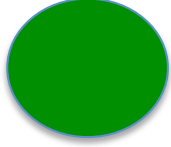
Peter Organisciak

Halt!Trust Research Center



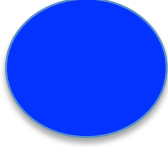
Praveen Paritosh

Google



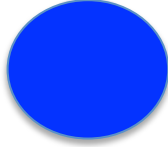
Alessandro Checco

University of Sheffield



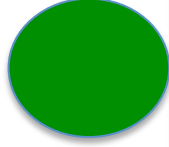
Lydia Chilton

Columbia University



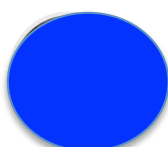
Akash Das Sarma

Stanford University



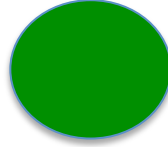
Arjen P. de Vries

Radboud Universiteit



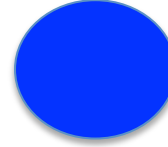
Genevieve Patterson

Microsoft Research



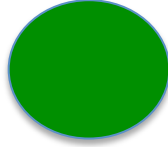
Martin Potthast

Bauhaus-Universität Weimar



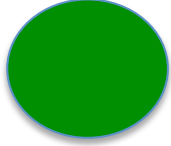
Alex Quinn

Purdue



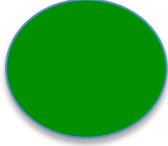
Filipe Rodrigues

Technical University of Denmark



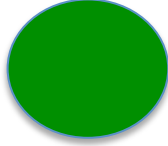
Enrique Estelles

Catholic University of Valencia



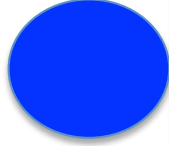
Boi Faltings

EPFL



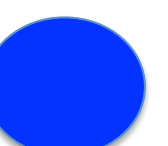
Fabian Flöck

GESIS – Leibniz Institute for the
Social Sciences



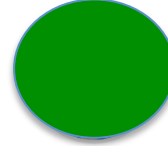
Daniel Haas

B12



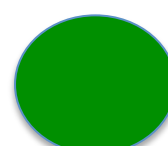
Nihar Shah

CMU



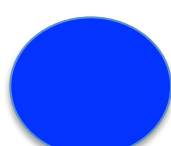
Elena Simperl

University of Southampton



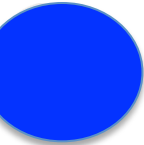
Long Tran-Thanh

University of Southampton



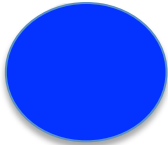
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Harvey Mudd College



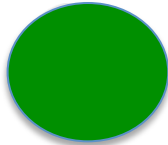
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Northwestern University



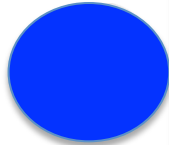
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Cornell University



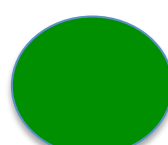
Matthias Hirth

University of Würzburg



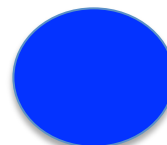
Chien-Ju Ho

Washington University, St.



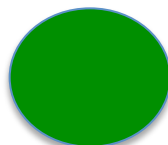
Julián Urbano

Delft University of Technology



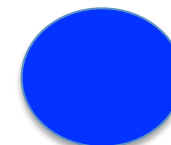
Rajan Vaish

Snap Research



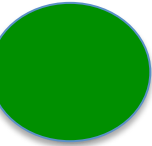
Matteo Venanzi

Microsoft, UK



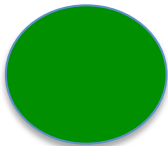
Maja Vukovic

IBM Research



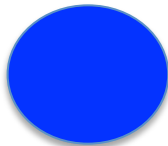
Simo Hosio

University of Oulu, Finland



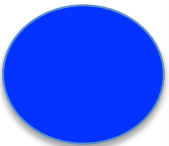
Mahmood Hosseini

Bournemouth University



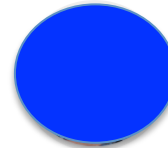
Panagiotis G. Ipeirotis

New York University



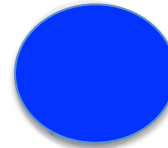
Ece Kamar

Microsoft Research



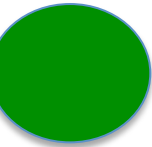
Chris Welty

Google NYC



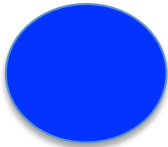
Anbang Xu

IBM



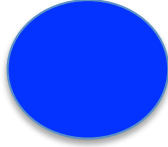
Udo Kruschwitz

University of Essex



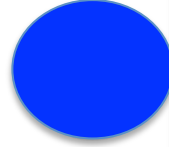
Chinmay Kulkarni

CMU



Matthew Lease

University of Texas, Austin



David Lee

UCSC

Submissions and Authors

- 75 full-paper submissions (excluding 14 incomplete submissions)
- 22 accepted
- Acceptance rate 29%

Asia + Oceania: 49

Europe: 91

**North America:
110**

country	authors
Australia	5
Austria	4
Belarus	1
Belgium	1
Canada	6
China	3
Cyprus	1
Denmark	–
Finland	–
France	5
Germany	9
Hong Kong	1
Hungary	2
India	7
Iran	1
Ireland	1
Israel	1
Italy	17
Japan	19
Lebanon	3
Lithuania	1
Luxembourg	2
Malaysia	2
Netherlands	8
Pakistan	1
Qatar	2
Singapore	4
South Korea	1
Spain	4
Switzerland	11
Taiwan	3
Turkey	3
Uganda	3
United Kingdom	14
United States	104

“In-Person” PC Meeting

- March 23-24, 2018
- Two locations:
 - Microsoft Research Cambridge, UK
 - Harvard University, Cambridge, MA, USA
- Connected for the entire period of the PC meeting



Keyword Cloud of all Submissions



Keyword Cloud of Accepted Papers



Proceedings

- <https://www.aaai.org/Library/HCOMP/hcomp18contents.php>
- Open access

Registration statistics

- 119 registrants
 - 70% academic
- Previous years
 - 2017: 114 (Quebec City, Canada)
 - 2016: 160 (Austin, TX)
 - 2015: 138 (San Diego, CA)

Country	#
Australia	1
Austria	1
Canada	2
Cyprus	1
Denmark	7
Germany	8
India	4
Italy	4
Japan	10
Netherlands	7
Russia	1
South Korea	4
Sweden	1
Switzerland	1
Uganda	1
UK	10
US	48

HCOMP'18

Asia + Oceania: 19
Europe: 49
North America: 50

HCOMP'17

Asia + Oceania: 25
Europe: 14
North America: 73

Other Events

- Keynote talks



Patrick Meier
We Robotics

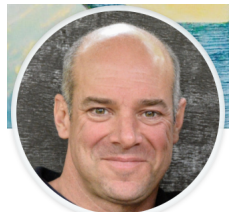


Lucy Fortson
University of Minnesota

- Panel on Ethics



Ece Kamar
Microsoft Research



Mark Heath
CloudFactory



Matt Lease
University of Texas, Austin



Walter Lasecki
University of Michigan

- Banquet: Restaurant Commihalle

Other Events

- 5 workshops (+ 1 canceled)
 - CrowdCamp (cancelled)
 - CrowdBias: Disentangling the Relation between Crowdsourcing and Bias Management (full day)
 - Subjectivity, Ambiguity, and Disagreement in Crowdsourcing (SAD 2018) (full day)
 - Work in the Age of Intelligent Machines (full day)
 - Advancing Human Computation with Complexity Science (3/4 day)
 - Project Networking Workshop (1/4 day)
- Work-in-Progress & Demo track + Poster/Demo Session
- Doctoral Consortium

CrowdBias

Disentangling the Relation between Crowdsourcing and Bias Management

- Organizers:
 - Alessandro Checco (University of Sheffield)
 - Gianluca Demartini (University of Queensland)
 - Ujwal Gadiraju (L3S Research Center, Leibniz Universität Hannover)
 - Cristina Sarasua (University of Zurich)



CrowdBias 2018 – Summary

Alessandro Checco, Gianluca Demartini, Ujwal Gadiraju, Cristina Sarasua

2 Keynotes, 7 Paper Presentations, 1 Moderated Discussion

MAIN OUTCOMES:

- Need for “A **Taxonomy of Biases** in Crowdsourcing”
 - Implicit/Explicit Bias; happy to keep vs want to get rid of
- How to **present bias** info to end users?
 - Creating awareness
 - Human receptiveness of bias information
- Should we **profile/track crowd workers** and their biases?
 - Evolution of biases
- **Sources of bias**
 - Workers, Requesters, Platforms, Tasks (all main actors)
 - Work environments, devices, requester experience, etc.
- Are certain **tasks** more prone to bias than others?
- The bias in **paid** crowdsourcing
 - Worker motivation, self-selection, payment, task design, community involvement

SAD

Subjectivity, Ambiguity, and Disagreement in Crowdsourcing

- Organizers:
 - Lora Aroyo (Vrije Universiteit Amsterdam)
 - Anca Dumitrache (Vrije Universiteit Amsterdam)
 - Praveen Paritosh (Google)
 - Alex Quinn (Purdue University)
 - Chris Welty (Google)



https://docs.google.com/presentation/d/1V_IYEy3kY2PbolWOYLxdHVB2I3vCiD1y-Kj2LmnvhgU/edit#slide=id.p

Work in the Age of Intelligent Machines

- Organizers:
 - Jeffrey V. Nickerson (Stevens Institute of Technology)
 - Matt Lease (University of Texas, Austin)
 - Kevin Crowston (Syracuse University School of Information Studies)
 - Ingrid Erickson (Syracuse University)



Work in the Age of Intelligent Machines

Jeffrey V. Nickerson and Matt Lease

What
Why
Who
How

Sign up for news at <http://waim.network>

This material is based upon work supported by the NSF under grant IIS-1745643

Investigators Kevin Crowston, Ingrid Erickson, and Jeffrey V. Nickerson

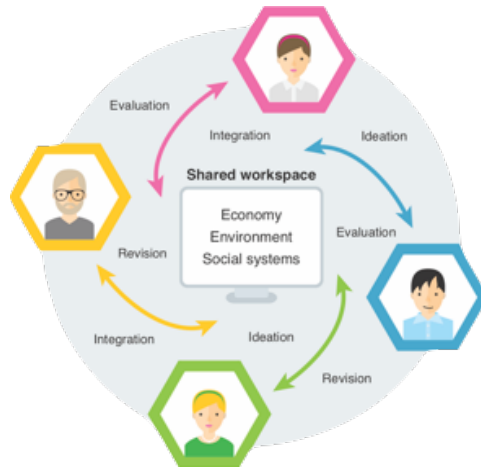
Advancing Human Computation with Complexity Science

- Organizer:
 - Pietro Michelucci (Human Computation Institute)



W5: Advancing Human Computation with Complexity Science

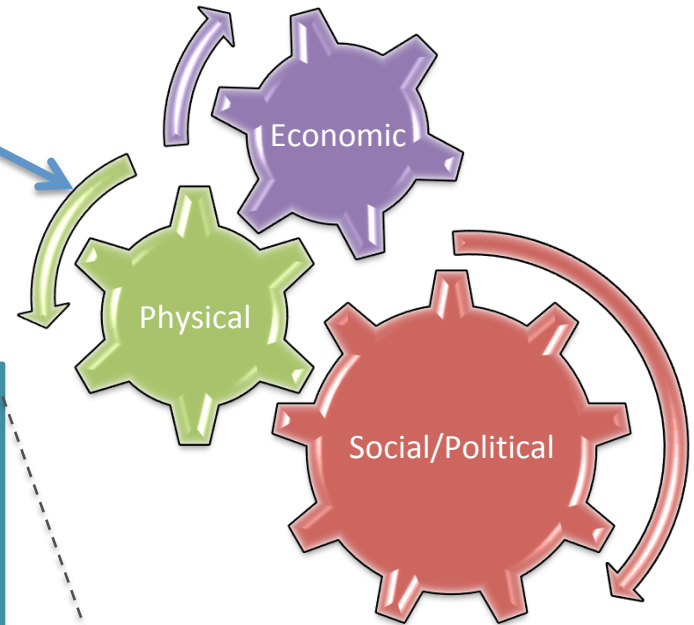
HCOMP SYSTEMS



COMPLEXITY SCIENCE

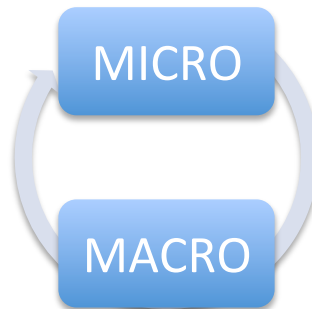
Swarm: emergent
Dynamic: phase shifts
Network: feedback loops
Multi-Agent models
Mixed methods

WICKED PROBLEMS



- Viral recruitment
- Herding behavior
- Influence nodes
- Individual \leftrightarrow System

- Urban planning
- Collaborative modeling to generate and test candidate solutions to wicked problems



The conversation between HCOMP and Complexity Science has begun

Project Networking Workshop

- Organizers:
 - Elena Simperl (University of Southampton)
 - Lora Aroyo (Vrije Universiteit Amsterdam)



- https://docs.google.com/presentation/d/1iBv8RZEw1eDV1yxNaajsP-TLB5YFW3L6uppQwmqmk_M/edit#slide=id.p

WiP and Demo Track

WORKS-IN-PROGRESS & DEMONSTRATION CO-CHAIRS



Alessandro Bozzon

Delft University of Technology



Matteo Venanzi

Microsoft, UK



HCOMP-18 Town Hall Meeting

WIP&DEMO

The sixth AAI Conference on Human
Computation and Crowdsourcing

Friday July 6th 2018
Zurich, Switzerland

Some Stats

- 31 submissions, 15 accepted (48%)
 - 3 demos
- 17 PCs, 89 reviews (~3 reviews/paper)

WORKS-IN-PROGRESS & DEMONSTRATION PROGRAM COMMITTEE

- **Oana Inel** (Vrije Universiteit Amsterdam)
- **Anca Dumitrache** (Vrije Universiteit Amsterdam)
- **Gianluca Demartini** (The University of Queensland)
- **Sai Gouravajhala** (University of Michigan)
- **Matthias Hirth** (University of Wuerzburg)
- **Ujwal Gadiraju** (L3S Research Center)
- **Vassilis-Javed Khan** (Eindhoven University of Technology)
- **Andrea Mauri** (Delft University of Technology)
- **Babak Naderi** (TU Berlin)
- **Sepideh Mesbah** (Delft University of Technology)
- **Amrapali Zaveri** (Maastricht University)
- **Gloria Re Calegari** (cefriel)
- **Marta Sabou** (Vienna University of Technology)
- **Cristina Sarasua** (University of Zurich)
- **Sebastian Stein** (University of Southampton)
- **Jie Yang** (eXascale Infolab, University of Fribourg)
- **Alexandros Zenonos** (University of Southampton)

Some Stats

- 31 submissions, 15 accepted (48%)
 - 3 demos
- 17 PC members, 89 reviews (~3 reviews/paper)
- Best WIP&Demo Award
 - 39 votes (~1/3 attendees)
 - Decision based on rank aggregation (reviews and votes, footrule aggregation)

Some Stats

- 31 submissions, 15 accepted (48%)
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- Best WIP&Demo Award
 - 39 votes (~1/3 attendees)
 - Decision based on rank aggregation (reviews and votes, footrule aggregation)
- CEUR.WS proceedings (open access)
 - 24 submission (~65%) opted for publication
 - 13 accepted (~86%) in proceedings

Doctoral Consortium

DOCTORAL CONSORTIUM CO-CHAIRS



Carsten Eickhoff

ETH Zurich



Walter Lasecki

University of Michigan

Doctoral Consortium

- 12 student participants
 - 7 USA, 2 UK, 2 CH, 1 JP
- 6 mentors
 - Matthias Hirth (University of Würzburg), Jahna Otterbacher (Open University Cyprus), Andrew Mao (CTRL-Labs), Gabriella Kazai (Microsoft), Walter Lasecki (Michigan), Carsten Eickhoff (Brown)
- External funding
 - NSF (Student travel awards)
 - AIJ (Student travel awards)
 - Bloomberg (Pre-DC dinner)

Paper Awards



Best Paper



Honorable Mention
Paper



Best Poster/Demo
Presentation

- Best paper award committee:



Michael Bernstein,
Stanford



Niki Kittur,
CMU



Jeff Rzeszutarski,
Cornell

- Best Poster/Demo, voted by YOU!

Many Other People to Thank

PUBLICITY CO-CHAIRS



Gianluca Demartini
University of Queensland



Andrew Mao
CTRL-Labs



Radu Jurca
Google, Zurich

WEBSITE CHAIR



Jonathan Bragg
University of Washington

FOLLOW THE CROWD BLOG CHAIR



Lydia Chilton
Columbia University

Sponsors

Bloomberg[®]



Google



**Artificial
Intelligence**

www.elsevier.com/locate/artint



HARVARD
UNIVERSITY

microWorkers



**Universität
Zürich**^{UZH}

INDUSTRY & SPONSORSHIPS CO-CHAIRS



Yoram Bachrach

Google DeepMind



Sarah Luger

EmployeeChannel Inc.



Mehrnoosh Sameki

Rue La La

Many Other People to Thank

- CI chairs and organizers
Avi Bernstein (University of Zurich), Kurt Luther (Virginia Tech), Nina Cornelius (University of Zurich), Sarah Lechmann (University of Zurich)
- AAI (in particular Carol Hamilton and Monique Abed)
- Student volunteers (Meng-Han Wu and Mohammed Alhamed)



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- AAI (in particular Carol Hamilton and Monique Abed)
- Student volunteers (Meng-Han Wu and Mohammed Alhamed)
- Emeritus Chairs (Adam Kalai, Steven Dow, and Matt Lease)
- HCOMP Council
- Dinner speaker (Chris Welty), Session chairs, authors, presenters and you!

HCOMP 2019



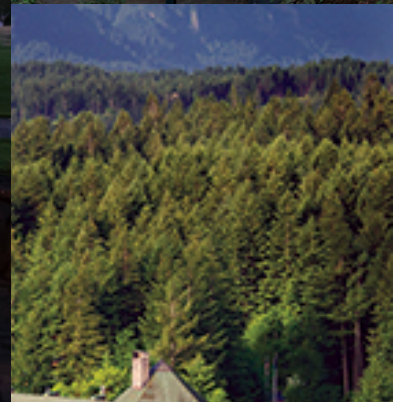
Edith Law
University of Waterloo



Jenn Wortman Vaughan
Microsoft Research

HCOMP 2019, October 28-30

- October 28: Workshops and Doctoral Consortium
- October 29-30: Main Conference
- Location: Skamania Lodge (Stevenson, Washington, USA)
 - near Portland, Oregon, USA



Human Computation Journal



Pietro Michelucci
Human Computation Institution
Editor-in-Chief



Elena Simperl
University of Southampton
Co-Editor-in-Chief



Human Computation

A Transdisciplinary Journal



Journal Scope

Human Computation is an international and transdisciplinary forum for the continuous publication of high-quality scholarly articles in all areas of human computation.



Submission Topics

Applications - novel or transformative applications

Interfaces - Human-Computer Interaction or related human factors methods or issues

Modalities - general interaction paradigms (e.g., gaming) and related methods

Techniques - repeatable methods, analogous to design patterns for OOP

Algorithms - wisdom of crowds, aggregation, reputation, crowdsourced analysis, and ML/HC

Architecture - development platforms, architectures, languages, APIs, IDEs, and compilers

Infrastructure - relevant networks, protocols, state space, and services

Participation - factors that influence human participation

Analysis - techniques for identifying typical characteristics and patterns in human computation systems

Epistemology - the role, source, representation, and construction of information

Policy - ethical, regulatory, and economic considerations

Security - security issues, including surreptitious behavior to influence system outcomes

Society - cultural, evolutionary, existential, psychological, and social impact

Organization - taxonomies of concepts, terminology, problem spaces, algorithms, and methods

Surveys - state of the art assessments of various facets

Meta-topics - insightful commentary on the future, philosophy, charter, and purpose of HC



Human Computation Roles **we would like to fill**

- **Operations Editor** - communicates with section editors, revisit membership, and sending reminders, provides support for general operations.
- **Production Editor** - take approved manuscripts and take them through the final steps of the editorial process including ensuring that they fit the article template and have proper header information, updates DOI database, involves communicating directly with authors.
- **Social Media Editor** - will promote the journal and its activities, including social media posts about new articles and periodic calls for papers, as well as communication about special issues.
- **Section Editors** - oversee editorial process for 2 articles/year

editor@hcjournal.org

Potential Discussion Topics

- Colocation with CI in a future year
- Keep HCOMP inter-disciplinary
 - Disciplines to reach (HCI, AI, sociology, econ ...?)
- What other communities to reach?
- WiP archival or non-archival
- Number of workshops
- Other feedbacks for HCOMP'18 and the conference in general

See you next year!

