

ICWSM-20 Technical Program

The ICWSM-20 technical program will be held June 9-11. Each spotlight session author has been allotted 20 minutes for live Q&A in a single track. Poster sessions will have 7-8 concurrent Q&A sessions, which attendees can visit individually throughout the allotted time period. All accompanying paper presentations and keynotes will be pre-recorded and made available before the conference. Live Q&A sessions (keynotes and spotlights only) during the conference will be recorded and made available to registrants. All times noted below are EDT (US Eastern).

Tuesday, June 9

9:00 – 9:15 AM

Opening Remarks: Munmun De Choudhury, Rumi Chunara, Aron Culotta, and Brooke Foucault Welles, Program Cochairs, ICWSM-20

9:15 – 10:00 AM

Spotlight Session I

Session Chair: Yu-Ru Lin

Gravity of Location-Based Service: Analyzing the Effects for Mobility Pattern and Location Prediction

Keiichi Ochiai, Yusuke Fukazawa, Wataru Yamada, Hiroyuki Manabe, Yutaka Matsuo

Behind the Mask: A Computational Study of Anonymous' Presence on Twitter

Keenan Jones, Jason R. C. Nurse, Shujun Li

A Quantitative Approach to Understanding Online Antisemitism

Savvas Zannettou, Joel Finkelstein, Barry Bradlyn, Jeremy Blackburn

10:00 – 11:00 AM

Poster Session I

Session Chair:

Dataset

Ginger Cannot Cure Cancer: Battling Fake Health News with a Comprehensive Data Repository

Enyan Dai, Yiwei Sun, Suhang Wang

Dataset

Mining Archive.org's Twitter Stream Grab for Pharmacovigilance Research Gold

Ramya Tekumalla, Javad Rafiei Asl, Juan M. Banda

Dataset

A Dataset of Fact-Checked Images Shared on WhatsApp during the Brazilian and Indian Elections

Julio C. S. Reis, Philipe Melo, Kiran Garimella, Jussara M. Almeida, Dean Eckles, Fabrício Benevenuto

MimicProp: Learning to Incorporate Lexicon Knowledge into Distributed Word Representation for Social Media Analysis

Muheng Yan, Yu-Ru Lin, Rebecca Hwa, Ali Mert Ertugrul, Meiqi Guo, Wen-Ting Chung

Measuring Edge Sparsity on Large Social Networks

J. David Smith, My T. Thai

Towards Quantifying the Distance between Opinions

Saket Gurukar, Deepak Ajwani, Sourav Dutta, Juho Lauri, Srinivasan Parthasarathy, Alessandra Sala

Learning Cross-Lingual Word Embeddings from Twitter via Distant Supervision

Jose Camacho-Collados, Yeraí Doval Mosquera, Eugenio Martínez-Cámara, Luis Espinosa-Anke, Francesco Barbieri, Steven Schockaert

11:00 AM – 12:00 PM

Poster Session II

Session Chair:

Dataset

Raiders of the Lost Kek: 3.5 Years of Augmented 4chan Posts from the Politically Incorrect Board

Antonis Papasavva, Savvas Zannettou, Emiliano De Cristofaro, Gianluca Stringhini, Jeremy Blackburn

Poster

Empirical Evaluation of Three Common Assumptions in Building Political Media Bias Datasets

Soumen Ganguly, Juhi Kulshrestha, Jisun An, Haewoon Kwak

Poster

The Relative Value of Facebook Advertising Data for Poverty Mapping

Masoomali Fatehkia, Benjamin Coles, Ferda Ofli, Ingmar Weber

Characterizing the Social Media News Sphere through User Co-Sharing Practices

Mattia Samory, Vartan Kesiz Abnoui, Tanushree Mitra

Unsupervised User Stance Detection on Twitter

Kareem Darwish, Peter Stefanov, Michaël Aupetit, Preslav Nakov

Towards Measuring Adversarial Twitter Interactions against Candidates in the US Midterm Elections

Yiqing Hua, Thomas Ristenpart, Mor Naaman

Characterizing the Use of Images in State-Sponsored Information Warfare Operations by Russian Trolls on Twitter

Savvas Zannettou, Tristan Caulfield, Barry Bradlyn, Emiliano De Cristofaro, Gianluca Stringhini, Jeremy Blackburn

6:00 – 7:00 PM

Poster Session III

Session Chair:

Dataset

P4KxSpotify: A Dataset of Pitchfork Music Reviews and Spotify Musical Features

Anthony T. Pinter, Jacob M. Paul, Jessie Smith, Jed R. Brubaker

Demo

GeoSiteSearch: A Tool to Map Vietnamese Diaspora by Deducing Geographical Information of Web Pages about Our Lady of LaVang

Madison G. Masten, Thien-Huong Ninh, Nicholas Tran

Style Matters! Investigating Linguistic Style in Online Communities

Osama Khalid, Padmini Srinivasan

Auditing Race and Gender Discrimination in Online Housing Markets

Joshua Asplund, Motahhare Eslami, Hari Sundaram, Christian Sandvig, Karrie Karahalios

Feature-Based Explanations Don't Help People Detect Misclassifications of Online Toxicity

Samuel Carton, Qiaozhu Mei, Paul Resnick

Toward a Better Performance Evaluation Framework for Fake News Classification

Lia Bozarth, Ceren Budak

When Does Trust in Online Social Groups Grow?

Shankar Iyer, Justin Cheng, Nick Brown, Xiuhua Wang

Modeling and Measuring Expressed (Dis)belief in (Mis)information

Shan Jiang, Miriam Metzger, Andrew Flanagin, Christo Wilson

7:00 – 8:00 PM

Poster Session IV

Session Chair:

Dataset

A Benchmark Dataset of Check-Worthy Factual Claims

Fatma Arslan, Naeemul Hassan, Chengkai Li, Mark Tremayne

Dataset

The Media Coverage of the 2020 US Presidential Election Candidates through the Lens of Google's Top Stories

Anna Kawakami, Khonzodakhon Umarova, Eni Mustafaraj

Towards Automated Sexual Violence Report Tracking

Naeemul Hassan, Amrit Poudel, Jason Hale, Claire Hubacek, Khandaker Tasnim Huq, Shubhra Kanti Karmaker Santu, Syed Ishtiaque Ahmed

"Musicalization of the Culture": Is Music Becoming Louder, More Repetitive, Monotonous and Simpler?

Yukun Yang

Local Trends in Global Music Streaming

Samuel F. Way, Jean Garcia-Gathright, Henriette Cramer

"Trust Me, I Have a Ph.D.": A Propensity Score Analysis on the Halo Effect of Disclosing One's Offline Social Status in Online Communities

Kunwoo Park, Haewoon Kwak, Hyeonho Song, Meeyoung Cha

Understanding the Political Ideology of Legislators from Social Media Images

Nan Xi, Di Ma, Marcus Liou, Zachary C. Steinert-Threlkeld, Jason Anastasopoulos, Jungseock Joo

When Your Friends Become Sellers: An Empirical Study of Social Commerce Site Beidian

Hancheng Cao, Zhilong Chen, Fengli Xu, Tao Wang, Yujian Xu, Lianglun Zhang, Yong Li

8:00 – 9:00 PM

Keynote Address: Charlton McIlwain (New York University)

How Does it Feel to be a Problem?: Race, Blackness & Our Technological Past, Present, Future

Session Chair: Brooke Foucault Welles

A century ago, Sociologist W.E.B. DuBois posed the question, "How does it feel to be a problem?" speaking then of the Negro's place in the world. But what does it mean to be a problem in the context of computing technology? I argue that the relationship between African Americans and other people of color to computing technology has been mediated by "the problem." In this talk I tell the story of how Black people became the nation's (U.S.) first problem for computers to solve, the consequences of that relationship, and the lessons it provides about how we frame today's technological solutions for the future.

Wednesday, June 10

10:00 – 11:00 AM

Poster Session V

Session Chair:

Poster

Analysing the Extent of Misinformation in Cancer Related Tweets

Rakesh Bal, Sayan Sinha, Swastika Dutta, Risabh Joshi, Sayan Ghosh, Ritam Dutt

Poster

On the Splitting Dynamics of Meetup Social Groups

Ayan Kumar Bhowmick, Soumajit Pramanik, Sayan Pathak, Bivas Mitra

Driving the Last Mile: Characterizing and Understanding Distracted Driving Posts on Social Networks

Hemank Lamba, Shashank Srikanth, Dheeraj Reddy Pailla, Shwetanshu Singh, Karandeep Singh Juneja, Ponnurangam Kumaraguru

Purchase Intentions on Social Media as Predictors of Consumer Spending

Viktor Pekar

Top Comment or Flop Comment? Predicting and Explaining User Engagement in Online News Discussions

Julian Risch, Ralf Krestel

The Effect of Homophily on Disparate Visibility of Minorities in People Recommender Systems

Francesco Fabbri, Francesco Bonchi, Ludovico Boratto, Carlos Castillo

Leveraging Mobility Flows from Location Technology Platforms to Test Crime Pattern Theory in Large Cities

Cristina Kadar, Stefan Feuerriegel, Anastasios Noulas, Cecilia Mascolo

11:00 AM – 12:00 PM

Poster Session VI

Session Chair:

Dataset

Generally Curious: Thematically Distinct Datasets of General Threads on 4chan/pol/

Emilija Jokubauskaite, Stijn Peeters

Dataset

WikiHist.html: English Wikipedia's Full Revision History in HTML Format

Blagoj Mitrevski, Tiziano Piccardi, Robert West

Dataset

The Pushshift Reddit Dataset

Jason Baumgartner, Savvas Zannettou, Brian Keegan, Megan Squire, Jeremy Blackburn

Auditing News Curation Systems: A Case Study Examining Algorithmic and Editorial Logic in Apple News

Jack Bandy, Nicholas Diakopoulos

No Robots, Spiders, or Scrapers: Legal and Ethical Regulation of Data Collection Methods in Social Media Terms of Service

Casey Fiesler, Nathan Beard, Brian C. Keegan

Characterizing User Content on a Multi-Lingual Social Network

Pushkal Agarwal, Kiran Garimella, Sagar Joglekar, Nishanth Sastry, Gareth Tyson

Hyperpartisanship, Disinformation and Political Conversations on Twitter: The Brazilian Presidential Election of 2018

Raquel Recuero, Felipe Bonow Soares, Anatoliy Gruzd

5:00 – 6:00 PM

Paper Session VII

Session Chair:

Poster

Aligning Public Feedback to Requests for Comments on Regulations.gov

Manya Wadhwa, Silvio Amir, Mark Dredze

Poster

The Effects of an Informational Intervention on Attention to Anti-Vaccination Content on YouTube

Sangyeon Kim, Omer F. Yalcin, Samuel E. Bestvater, Kevin Munger, Burt L. Monroe, Bruce A. Desmarais

#MeTooMA: Multi-Aspect Annotations of Tweets Related to the MeToo Movement

Akash Gautam, Puneet Mathur, Rakesh Gosangi, Debanjan Mahata, Ramit Sawhney, Rajiv Ratn Shah

Identity-Based Roles in Rhizomatic Social Justice Movements on Twitter

Judeth Oden Choi, James Herbsleb, Jessica Hammer, Jodi Forlizzi

Causal Factors of Effective Psychosocial Outcomes in Online Mental Health Communities

Koustuv Saha, Amit Sharma

What Makes People Feel Close to Online Groups? The Roles of Group Attributes and Group Types

Robert E. Kraut, John M. Levine, Marisol Martinez Escobar, Amaç Herdağdelen

Confidence Boost in Dyadic Online Teamwork: An Individual-Focused Perspective

Liye Fu, Andrew Z. Wang, Cristian Danescu-Niculescu-Mizil

Examining Peer-to-Peer and Patient-Provider Interactions on a Social Media Community Facilitating Ask the Doctor Services

Alicia L. Nobles, Eric C. Leas, Mark Dredze, John W. Ayers

6:00 – 7:00 PM

Paper Session VIII

Session Chair:

Poster

A Framework for Political Portmanteau Decomposition

Nabil Hossain, Minh Tran, Henry Kautz

Poster

Characterizing Variation in Toxic Language by Social Context

Bahar Radfar, Karthik Shivaram, Aron Culotta

Empirical Analysis of Multi-Task Learning for Reducing Identity Bias in Toxic Comment Detection

Ameya Vaidya, Feng Mai, Yue Ning

Bridging Qualitative and Quantitative Methods for User Modeling: Tracing Cancer Patient Behavior in an Online Health Community

Zachary Levonian, Drew Richard Erikson, Wenqi Luo, Saumik Narayanan, Sabirat Rubya, Prateek Vachher, Loren Terveen, Svetlana Yarosh

Engagement Patterns of Peer-to-Peer Interactions on Mental Health Platforms

Ashish Sharma, Monojit Choudhury, Tim Althoff, Amit Sharma

The Structure of U.S. College Networks on Facebook

Jan Overgoor, Bogdan State, Lada A. Adamic

Hierarchical Propagation Networks for Fake News Detection: Investigation and Exploitation

Kai Shu, Deepak Mahudeswaran, Suhang Wang, Huan Liu

REST: A Thread Embedding Approach for Identifying and Classifying User-Specified Information in Security Forums

Jobin Gharibshah, Evangelos E. Papalexakis, Michalis Faloutsos

7:00 – 8:00 PM

Spotlight Session II

Session Chair: Emre Kiciman

An Experimental Study of Structural Diversity in Social Networks

Jessica Su, Krishna Kamath, Aneesh Sharma, Johan Ugander, Sharad Goel

Aggressive, Repetitive, Intentional, Visible, and Imbalanced: Refining Representations for Cyberbullying Classification

Caleb Ziems, Ymir Vigfusson, Fred Morstatter

Quasi-Experimental Designs for Assessing Response on Social Media to Policy Changes

Yijun Tian, Rumi Chunara

Thursday, June 11

9:00 – 9:15 AM

Awards Presentations

9:15 – 10:00 AM

Spotlight Session III

Session Chair: Yelena Mejova

Minimizing Interference and Selection Bias in Network Experiment Design

Zahra Fatemi, Elena Zheleva

Influence Maximization Using Influence and Susceptibility Embeddings

George Panagopoulos, Fragkiskos D. Malliaros, Michalis Vazirgiannis

Disturbed YouTube for Kids: Characterizing and Detecting Inappropriate Videos Targeting Young Children

Kostantinos Papadamou, Antonis Papasavva, Savvas Zannettou, Jeremy Blackburn, Nicolas Kourtellis, Ilias Leontiadis, Gianluca Stringhini, Michael Sirivianos

10:00 – 11:00 AM

Poster Session IX

Session Chair:

Demo

BotSlayer: DIY Real-Time Influence Campaign Detection

Pik-Mai Hui, Kai-Cheng Yang, Christopher Torres-Lugo, Filippo Menczer

Dataset

The Long-Running Debate about Brexit on Social Media

Emre Calisir, Marco Brambilla

Generalized Euclidean Measure to Estimate Network Distances

Michele Coscia

Gossip and Attend: Context-Sensitive Graph Representation Learning

Zekarias T. Kefato, Sarunas Girdzijauskas

Identifying and Quantifying Coordinated Manipulation of Upvotes and Downvotes in Naver News Comments

Jiwan Jeong, Jeong-han Kang, Sue Moon

Falling into the Echo Chamber: The Italian Vaccination Debate on Twitter

Alessandro Cossard, Gianmarco De Francisci Morales, Kyriaki Kalimeri, Yelena Mejova, Daniela Paolotti, Michele Starnini

Learn2Link: Linking the Social and Academic Profiles of Researchers

Asmelash Teka Hadgu, Jayanth Kumar Reddy Gundam

11:00 AM – 12:00 PM

Poster Session X

Session Chair:

Dataset

The Pushshift Telegram Dataset

Jason Baumgartner, Savvas Zannettou, Megan Squire, Jeremy Blackburn

Poster

Towards Using Word Embedding Vector Space for Better Cohort Analysis

Mohamed Bahgat, Steve Wilson, Walid Magdy

Poster

Can Badges Foster a More Welcoming Culture on Q&A Boards?

Tiago Santos, Keith Burghardt, Kristina Lerman, Denis Helic

"And We Will Fight for Our Race!" A Measurement Study of Genetic Testing Conversations on Reddit and 4chan

Alexandros Mittos, Savvas Zannettou, Jeremy Blackburn, Emiliano De Cristofaro

Detecting Troll Behavior via Inverse Reinforcement Learning: A Case Study of Russian Trolls in the 2016 US Election

Luca Luceri, Silvia Giordano, Emilio Ferrara

Pie Chart or Pizza: Identifying Chart Types and their Virality on Twitter

Pavlos Vougiouklis, Leslie Carr, Elena Simperl

Two Computational Models for Analyzing Political Attention in Social Media

Libby Hemphill, Angela M. Schöpke-Gonzalez

12:00 – 1:00 PM

Town Hall Meeting

5:00 - 6:00 PM

Poster Session XI

Session Chair:

Demo

The Political Dashboard: A Tool for Online Political Transparency

Juan Carlos Medina Serrano, Orestis Papakyriakopoulos, Morteza Shahrezaye, Simon Hegelich

Poster

Realtime Predictive Patrolling and Routing with Mobility and Emergency Calls Data

Shakila Khan Rumi, Wei Shao, Flora Dilys Salim

Characterizing Collective Attention via Descriptor Context: A Case Study of Public Discussions of Crisis Events

Ian Stewart, Diyi Yang, Jacob Eisenstein

Diffusion of Scientific Articles across Online Platforms

Igor Zakhlebin, Emoke-Ágnes Horvát

Higher Ground? How Groundtruth Labeling Impacts Our Understanding of Fake News about the 2016 U.S. Presidential Nominees

Lia Bozarth, Aparajita Saraf, Ceren Budak

Beyond Positive Emotion: Deconstructing Happy Moments Based on Writing Prompts

Kokil Jaidka, Niyati Chhaya, Saran Mumick, Matthew Killingsworth, Alon Halevy, Lyle Ungar

Source Attribution: Recovering the Press Releases behind Health Science News

Ansel MacLaughlin, John Wihbey, Aleszu Bajak, David A. Smith

Generating Realistic Interest-Driven Information Cascades

Federico Cinus, Francesco Bonchi, Corrado Monti, André Panisson

6:00 – 7:00 PM

Poster Session XII

Session Chair:

Poster

External Information Sharing on Health Forums: An Exploration

Dana M. Nguyen, Alexandra Olteanu, Emre Kiciman

Understanding Visual Memes: An Empirical Analysis of Text Superimposed on Memes Shared on Twitter

Yuhao Du, Muhammad Aamir Masood, Kenneth Joseph

Quick, Community-Specific Learning: How Distinctive Toxicity Norms Are Maintained in Political Subreddits

Ashwin Rajadesingan, Paul Resnick, Ceren Budak

See and Read: Detecting Depression Symptoms in Higher Education Students Using Multimodal Social Media Data

Paulo Mann, Aline Paes, Elton H. Matsushima

Sentiment Paradoxes in Social Networks: Why Your Friends Are More Positive Than You?

Xinyi Zhou, Shengmin Jin, Reza Zafarani

Variation across Scales: Measurement Fidelity under Twitter Data Sampling

Siqi Wu, Marian-Andrei RizoIU, Lexing Xie

Communal Quirks and Circlejerks: A Taxonomy of Processes Contributing to Insularity in Online Communities

Kimberley R. Allison, Kay Bussey

Social Media Relevance Filtering Using Perplexity-Based Positive-Unlabelled Learning

Sunghwan Mac Kim, Stephen Wan, Cécile Paris, Andreas Duenser

7:00 – 7:45 PM

Keynote Address: Amy Bruckman (Georgia Institute of Technology)

How social epistemology can help us be better internet researchers

Session Chair: Munmun De Choudhury

Social computing researchers increasingly need to question the nature of "truth" in our day-to-day work. In this talk, I'll review ideas from philosophy, especially social epistemology, to give us practical, working definitions of "truth" and "knowledge." I'll apply these ideas to explain why a popular Wikipedia page is arguably the most reliable form of information ever created. Finally, I'll explain how these ideas help us to be better social computing researchers, and more thoughtfully address controversies about what kind of content is appropriate.

7:45 – 8:00 PM

Closing Remarks: Munmun De Choudhury, Rumi Chunara, Aron Culotta, and Brooke Foucault Welles, Program Cochairs, ICWSM-20

Friday, June 12

For those who opt-in for re-scheduling their session, you are invited to join ICWSM-20 on Friday to present your work.

9:00 – 11:00 AM

Optional Poster Session

Session Chair: Brooke Foucault-Welles

3:00 – 5:00 PM

Optional Poster Session

Session Chair: Ceren Budak