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: Rumi Chunara, Aron Culotta, and Brooke Foucault Welles, Program Cochairs, ICWSM-20

9:15 – 10:00 AM
Spotlight Session I
Session Chair:

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, Yerai 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 Abnousi, 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

5:00 – 6:00 PM
Keynote Address: Charlton McIlwain (New York University)
How Does it Feel to be a Problem?: Race, Blackness & Our Technological Past, Present, Future

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.

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

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Wednesday, June 10

9:00 – 9:15 AM
Awards Presentations

9:15 – 10:00 AM
Keynote Address: Amy Bruckman (Georgia Institute of Technology)
How social epistemology can help us be better internet researchers

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.

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
Joobin Gharibshah, Evangelos E. Papalexakis, Michalis Faloutsos

7:00 – 8:00 PM
Spotlight Session II
Session Chair:

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 – 10:00 AM
Spotlight Session III
Session Chair:

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

4:00 – 5:00 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 Kıcıman

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: Moustapha Cisse (Facebook)
TITLE TBD

Moustapha Cisse is a scientist at Facebook Artificial Intelligence Research (FAIR). He is committed to building an axiological artificial intelligence to improve our society, particularly the lives of those who need it most. His current research efforts focus on essential prerequisites of such AI: Fairness, Transparency, and Reliability. The *Newscientist* and the *MIT Technology Review* have highlighted his recent work in this area. Cisse was born and raised in Senegal, where he studied math and physics at Universite Gaston Berger. He completed a Ph.D. in machine learning at Universite Pierre et Marie Curie in Paris (France).

7:45 – 8:00 PM
Closing Remarks: Rumi Chunara, Aron Culotta, and Brooke Foucault Welles, Program Cochairs, ICWSM-20