



THE PROGRAM GUIDE FOR

THE 18TH INTERNATIONAL AAAI CONFERENCE ON WEB AND SOCIAL MEDIA

JUNE 3-6, 2024

JACOBS SCHOOL OF MEDICINE AND BIOMEDICAL SCIENCES

• BUFFALO, NEW YORK, USA •

 Follow ICWSM 2024 on X! @icwsm

SPONSORED BY

PLATINUM



GOLD



SILVER



BRONZE

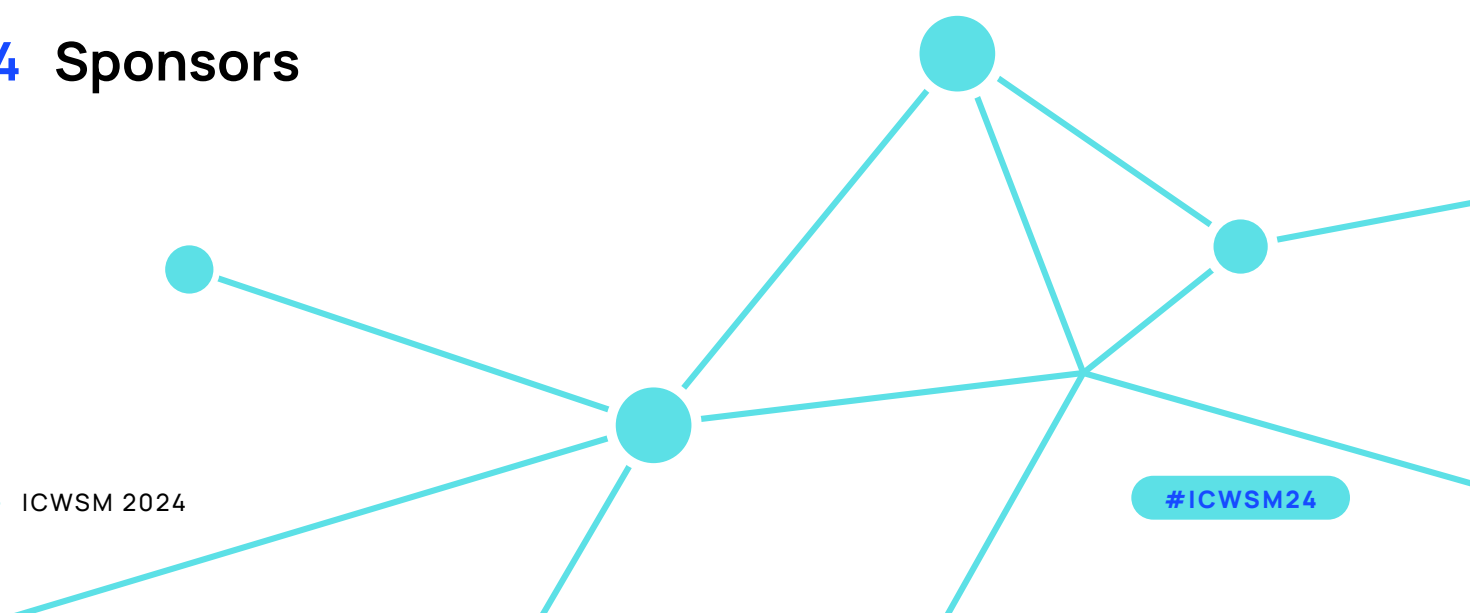


Program Contents

- 3** Welcome
- 4** Acknowledgements
- 5** Program Overview
- 5** Social Events
- 6** Workshops, Tutorials,
Data Challenge,
& Global Equity Event
- 8** Detailed Program
- 8** Tuesday
- 14** Wednesday
- 19** Thursday
- 24** Sponsors



**VIEW ICWSM-24
WI-FI ACCESS
INSTRUCTIONS**



The ICWSM-24 Program Committee welcomes you to Buffalo!

On behalf of the entire organizing committee and, unofficially, on behalf of the entire city of Buffalo, we want to welcome you to the 18th International Conference on the Web and Social Media. We're looking forward to a fun, engaging, and jam-packed four days of workshops, tutorials, talks, posters, large waterfalls, chicken wings, friends, and more. Don't hesitate to come say hello, to let us know about any problems you're having, or suggestions for the future!

Kokil, Daniel, Agnes, Ancsa, and Kenny



Acknowledgements

The Association for the Advancement of Artificial Intelligence acknowledges and thanks the following individuals for their generous contributions of time and energy to the successful creation and planning of the 18th International AAAI Conference on Web and Social Media.

GENERAL CHAIR

Kenny Joseph

PROGRAM CO-CHAIRS

Ancsa Hannak
Agnes Horvat
Daniel Romero
Kokil Jaidka

WORKSHOPS CO-CHAIRS

Maria Antoniak
Anjalie Field
James Caverlee

TUTORIAL CO-CHAIRS

Carlos Toxtil
Joshua Uyheng
Indira Sen

DATASET CO-CHAIRS

Benjamin Horne
Lydia Manikonda
Mauricio Gruppi

DATA CHALLENGE CO-CHAIRS

Onur Varol
Nick Vincent

WEB CO-CHAIRS

Rabiraj Bandyopadhyay
Zijian An
Bahadir Altun

PUBLICITY CO-CHAIR

Kaicheng Yang

LOCAL CO-CHAIRS

Erdem Sariyuce
Maria Rodriguez

SPONSORSHIP CO-CHAIRS

Nir Grinberg
Prerna Juneja

EDI CO-CHAIRS

Orestis Papakyriakopoulos
Salomey Osei

STUDENT SCHOLARSHIP CHAIR

Annika M. Schoene

GLOBAL EQUITY CHAIR

Hiba Arnaout

GLOBAL INITIATIVE CO-CHAIRS

Jeremy Blackburn
Cody Buntain

A complete listing of the ICWSM 2024 Program Committee members can be viewed at icwsm.org.

Program Overview

The ICWSM-24 program will be held fully in person in Buffalo, New York, USA. All timings are local (EST).

Monday, June 3		Tuesday, June 4	Wednesday, June 5	Thursday, June 6
8:40 AM		Opening Remarks at 8:40 AM		
9:00 AM	Session 1: Tutorials, Workshops, Global Equity, Data Challenge	Keynote 1: Kate Starbird	Keynote 2: Diyi Yang	Keynote 3: Crystal Abidin
9:30 AM				
10:00 AM		Lightning Talks	Lightning Talks	Lightning Talks
10:30 AM		Coffee Break	Coffee Break	Coffee Break
11:00 AM		Lightning Talks	Lightning Talks	Lightning Talks
11:30 AM		Spotlight Talks: Identity and Interaction	Spotlight Talks: Political Communication	Spotlight Talks: Methods and Tools
12:00 PM				
12:30 PM		Lunch	Lunch	Lunch
1:00 PM	Lunch			
1:30 PM		Lightning Talks	Lightning Talks	Lightning Talks
2:00 PM	Session 2: Tutorials, Workshops, Global Equity, Data Challenge	Spotlight Talks: LLMs	Spotlight Talks: Disinformation and Mental Well-Being	Townhall
2:30 PM				
3:00 PM		Poster Session & Refreshment Break	Poster Session & Refreshment Break	Poster Session & Refreshment Break
3:30 PM				
4:00 PM				
4:30 PM		Spotlight Talks: Platforms and Behaviors	Spotlight Talks: Toxicity and Incivility	Awards Ceremony & Conference Closing
5:00 PM				
5:30 PM				
6:00 PM		Niagra Falls Excursion		
6:30 PM	Banquet			

Notes: For Monday, coffee breaks and lunch times may differ from the main conference; please see workshop websites for schedule details, start and end times may vary

Social Events

Tuesday, June 4
6:30–8:30 PM

Banquet Dinner
[Pearl Street Grill](#)

Wednesday, June 5
5:45–9:15 PM

Niagara Falls Excursion & Pizza Picnic
Transportation provided –
Buses leave at 5:45 PM SHARP from Jacobs School of Medicine

Workshops, Tutorials, Data Challenge, & Global Equity Event

See below for details, links, locations

Full-Day Workshops

WORKSHOP 1 • 9:00 AM – 6:00 PM • ROOM: 2120A

5th International Workshop on Cyber Social Threats (CySoc 2024)

<https://cy-soc.github.io/2024/>

WORKSHOP 2 • 9:00 AM – 6:00 PM • ROOM: 2213B

The 2nd Disrupt, Ally, Resist, Embrace (DARE) Workshop: Action Items for Computational Social Scientists in a Changing World

<https://dare-workshop.github.io/2024/>

Half-Day Workshops

WORKSHOP 3 • 9:00 AM – 1:00 PM • ROOM: 1228

1st International Workshop on Decentralizing the Web (DeWeb2024)

<https://deweb-workshop.github.io/>

WORKSHOP 4 • 2:00–6:00 PM • ROOM: 2120B

Digital State Sponsored Disinformation and Propaganda: Challenges and Opportunities for Researchers

<https://sites.google.com/view/digitaldisinfo24/home>

WORKSHOP 5 • 9:00 AM – 1:00 PM • ROOM: 2120B

1st Workshop on Reliable Evaluation of LLMs for Factual Information (REAL-Info)

<https://sites.google.com/view/real-info2024/overview>

WORKSHOP 6 • 2:00–6:00PM • ROOM: 1228

Workshop on Networks and Opinions and Climate Action in the Public Sphere (NO CAPS)

<https://no-caps.github.io/2024/#program>

WORKSHOP 7 • 9:00 AM – 1:00 PM • ROOM: 2213A

Data for the Wellbeing of Most Vulnerable

<https://sites.google.com/view/dataforvulnerable24>

WORKSHOP 8 • 2:00–6:00PM • ROOM: 2213A

Reclaiming the Narrative: Digital Recovery, AI, and Mitigating Harm in Social Media

<https://sites.google.com/view/reclaiming-the-narrative>

Half-Day Tutorials

TUTORIAL 1 • 9:00 AM – 1:00 PM • ROOM: 1225B

Scraping Reddit the Right Way: A Guide to Legal and Ethical Data Collection with RedditHarbor

<https://socius-org.github.io/icwsm-2024/intro.html>

TUTORIAL 2 • 9:00 AM – 1:00 PM • ROOM: 1225A

Machine Learning Based Online Abuse Defense: Platform, Research, and Hands-on Labs

<https://moaldeen.github.io/ICOAR/>

TUTORIAL 3 • 9:00 AM – 1:00 PM • ROOM: 2212AB

Prevalence Estimation in Social Media Using Black Box Classifiers

<https://avalanchesiqi.github.io/prevalence-estimation-tutorial/>

TUTORIAL 4 • 11:00 AM – 1:00 PM • ROOM: 1225A

How to Analyze Social Media Data Using Multilingual Word Embeddings via Commanalytic – A Computational Social Science Research Tool for Studying Online Discourse

<https://socialmedialab.ca/events/2024-icwsm-tutorial-interactive-topic-analysis/>

TUTORIAL 5 • 2:00–6:00 PM • ROOM: 1225B

Wikimedia Data How-To: Using Public Data from Wikipedia and Its Sister Projects for Academic Research

https://meta.wikimedia.org/wiki/Wikimedia_Data_Tutorial_ICWSM_2024

TUTORIAL 6 • 2:00–6:00 PM • ROOM: 1226

Before Model Training: Crafting High-Quality Text Annotations for Machine Learning

<https://github.com/Hai-Lina/Before-model-training-Crafting-high-quality-text-annotations-for-machine-learning>

TUTORIAL 7 • 2:00–6:00 PM • ROOM: 1225A

GPT Build-A-Thon: Creating Specialized Experiences Online with LLMs

<https://sites.google.com/view/gpt-buildathon/>

TUTORIAL 8 • 2:00–6:00 PM • ROOM: 2212AB

Collectivist and Perspectivist Approaches to Studying Online Toxicity

<https://www.yotamshargad.com/icwsm/>

Data Challenge

9:00 AM – 6:00 PM • ROOM: 1226

<https://sites.google.com/stanford.edu/icwsm-2024-data-challenge/home>

Global Equity Event

9:00 AM – 1:00 PM • ROOM: 1227



All main conference sessions will be held in Room 2120AB

8:40–9:00AM Welcome Remarks

Kenny Joseph, General Chair

9:00–10:00AM Keynote Speaker: Kate Starbird (University of Washington)

Facts, Frames, and (Mis)Interpretations:

Understanding Online Rumors as Collective Sensemaking

Facts, Frames, and (Mis)interpretations: Reflections on a Decade of “Misinformation” Research At the University of Washington, my colleagues and I have been studying online rumoring for more than a decade and have had a front row seat as misinformation—and its more nefarious cousin, disinformation—have grown and metastasized within social media platforms and the broader information ecosystem. In this talk, first, I’ll draw from that body of work to demonstrate some of the salient dimensions of online rumoring, misinformation, and disinformation, how they have evolved over time, and where they intersect with the design of sociotechnical systems, human psychology, and intentional manipulation. Next, I’ll present an emerging framework for applying theories of “collective sensemaking” to the study of rumors, conspiracy theories, and disinformation, which we hope will lead to more accurate (and nuanced) understandings and more productive ways of operationalizing these phenomena. Finally, I’ll discuss some of the challenges that researchers in our field are facing—from data access issues to harassment and legal threats—as our work documenting the manipulation of online systems draws attention from the people and organizations that perpetrate and/or benefit from that manipulation.

10:00–10:40AM Lightning Talks

A Domain Adaptive Graph Learning Framework to Early Detection of Emergent Healthcare Misinformation on Social Media

Lanyu Shang; Yang Zhang; Zhenrui Yue; YeonJung Choi; Huimin Zeng; Dong Wang

Characterizing Fake News Targeting Corporations

Ke Zhou; Sanja Scepanovic; Daniele Quercia

Reliability Matters: Exploring the Effect of AI Explanations on Misinformation Detection with a Warning

Haeseung Seo; Sian Lee; Dongwon Lee; Aiping Xiong

Community Notes vs. Snoping: How the Crowd Selects Fact-Checking Targets on Social Media

Moritz Pilarski; Kirill Olegovich Solovev; Nicolas Pröllochs

A Multi-modal Prompt Learning Framework for Early Detection of Fake News

Weiqi Hu; Ye Wang; Yan Jia; Qing Liao; Bin Zhou

Detection and Discovery of Misinformation Domains Using Attributed Webgraphs

Peter Carragher; Evan Williams; Kathleen M. Carley

Machine-Made Media: Monitoring the Mobilization of Machine-Generated Articles on Misinformation and Mainstream News Websites

Hans W. A. Hanley; Zakir Durumeric

ProtoRectifier: A Prototype Rectification Framework for Efficient Cross-Domain Text Classification with Limited Labeled Samples

Shiyao Zhao; Zhu Wang; Dingqi Yang; Xuejing Li; Bin Guo; Zhiwen Yu

Improving Quantification with Minimal In-Domain Annotations: Beyond Classify and Count

Pius von Däniken; Jan Milan Deriu; Alvaro Rodrigo; Mark Cieliebak

How Does Empowering Users with Greater System Control Affect News Filter Bubbles?

Ping Liu; Karthik Shivaram; Aron Culotta; Matthew A. Shapiro; Mustafa Bilgic

How to Improve Representation Alignment and Uniformity in Graph-Based Collaborative Filtering?

Zhongyu Ouyang; Chunhui Zhang; Shifu Hou; Chuxu Zhang; Yanfang Ye

Landscape of Large Language Models in Global English News: Topics, Sentiments, and Spatiotemporal Analysis

Lu Xian; Lingyao Li; Yiwei Xu; Ben Zefeng Zhang; Libby Hemphill

TeC: A Novel Method for Text Clustering with Large Language Models Guidance and Weakly-Supervised Contrastive Learning

Chen Yang; Bin Cao; Jing Fan

Unveiling the Risks of NFT Promotion Scams

Sayak Saha Roy; Dipanjan Das; Priyanka Bose; Christopher Kruegel; Giovanni Vigna; Shirin Nilizadeh

Diversity and Inclusion in the Sharing Economy: An Airbnb Case Study

Giovanni Quattrone; Licia Capra

Keeping Up with the Winner! Targeted Advertisement to Communities in Social Networks

Shailaja Mallick; Vishwaraj Doshi; Do Young Eun

280 Characters to Employment: Using Twitter to Quantify Job Vacancies

Boris Sobol; Manuel Tonneau; Samuel Fraiberger; Do Lee; Nir Grinberg

Anatomy of an AI-powered Malicious Social Botnet

Yang; Menczer

Search Engine Revenue from Navigational and Brand Advertising

Jeffrey Gleason; Alice Koeninger; Desheng Hu; Jessica Teurn; Yakov Bart; Samsun Knight; Ronald E Robertson; Christo Wilson

"You are doomed!" — Crisis-specific and Dynamic Use of Fear Speech in Protest and Extremist Radical Social Movements

Greipl; Hohner; Schulze; Schwabl; Rieger

10:45-11:00AM Coffee Break

11:00–11:20AM Lightning Talks

Rank, Pack, or Approve: Voting Methods in Participatory Budgeting

Lodewijk Gelauff; Ashish Goel

#TeamFollowBack: Detection & Analysis of Follow Back Accounts on Social Media

Tuğrulcan Elmas; Mathis Randl; Youssef Attia

Games and Beyond: Analyzing the Bullet Chats of Esports Livestreaming

Yukun Jiang; Xinyue Shen; Rui Wen; Zeyang Sha; Junjie Chu; Yugeng Liu;

Michael Backes; Yang Zhang

Influencer Marketing Augmented Personalized Assortment Planning:

A Two-Stage Optimization Problem

Jing Yuan; Twumasi Mensah-Boateng; Shaojie Tang

Which Came First, Price or Activity?

A Vicious Circle of a Blockchain-Based Social Media in the Bear Market

Jingyu Jeong; Seungwon (Eugene) Jeong; Michael Seo

The Quiet Power of Social Media: Impact on Fish-Oil Purchases in Iceland during COVID-19

Camilla Carpinelli; Anna Sigridur Islind; María Óskarsdóttir

Wildlife Product Trading in Online Social Networks:

A Case Study on Ivory-Related Product Sales Promotion Posts

Guanyi Mou; Yun Yue; Kyumin Lee; Ziming Zhang

A Deep Dive into the Disparity of Word Error Rates across Thousands of NPTEL MOOC Videos

Anand Kumar Rai; Siddharth D Jaiswal; Animesh Mukherjee

The LGBTQ+ Minority Stress on Social Media (MiSSoM) Dataset:

A Labeled Dataset for Natural Language Processing and Machine Learning

Cory J. Cascalheira; Santosh Chapagain; Ryan E. Flinn; Dannie Klooster; Danica Laprade;

Yuxuan Zhao; Emily M. Lund; Alejandra Gonzalez; Kelsey Corro; Rikki Wheatley; Ana Gutierrez;

Oziel Garcia Villanueva; Koustuv Saha; Munmun De Choudhury; Jillian R. Scheer; Shah M. Hamdi

Sentibank: A Unified Resource of Sentiment Lexicons and Dictionaries

Nick Oh

11:20AM–12:30PM Spotlight Talks: Identity and Interaction

Othering and Low Status Framing of Immigrant Cuisines in US Restaurant Reviews and Large Language Models

Yiwei Luo; Kristina Gligorić; Dan Jurafsky

Topic Shifts as a Proxy for Assessing Politicization in Social Media

Marcelo Sartori Locatelli; Pedro Calais; Matheus Prado Miranda; João Pedro Junho; Tomas Lacerda Muniz; Wagner Meira Jr.; Virgilio Almeida

From Posts to Pavement, or Vice Versa? The Dynamic Interplay Between Online Activism and Offline Confrontations

Muheng Yan; Amy Yunyu Chiang; Yu-Ru Lin

Political Speech from Corporations is Sparse, Only Recently Liberal, and Moderately Representative: Evidence from Social Media
Barari

HINENI: Human Identity across the Nations of the Earth, Ngram Investigator
Dakota Handzlik; Jason Jones; Steven Skiena

12:30-1:30PM Lunch Break // Box lunch is provided

1:30-2:00PM Lightning Talks

A Dataset to Assess Microsoft Copilot Answers in the Context of Swiss, Bavarian and Hesse Elections.

Salvatore Romano; Riccardo Angius; Natalie Kerby; Paul Bouchaud; Jacopo Amidei; Andreas Kaltenbrunner

iDRAMA-Scored-2024: A Dataset of the Scored Social Media Platform from 2020 to 2023

Jay Patel; Pujan Paudel; Emiliano De Cristofaro; Gianluca Stringhini; Jeremy Blackburn

SocialDrought: A Social and News Media Driven Dataset and Analytical Platform towards Understanding Societal Impact of Drought

Lanyu Shang; Bozhang Chen; Anav Vora; Yang Zhang; Ximing Cai; Dong Wang

The Koo Dataset: An Indian Microblogging Platform with Global Ambitions

Amin Mekacher; Max Falkenberg; Andrea Baronchelli

IsamasRed: A Public Dataset Tracking Reddit Discussions on Israel-Hamas Conflict

Kai Chen; Zihao He; Keith Burghardt; Jingxin Zhang; Kristina Lerman

A Multilingual Similarity Dataset for News Article Frame

Xi Chen; Mattia Samory; Scott A. Hale; David Jurgens; Przemyslaw Grabowicz

Language-Agnostic Modeling of Wikipedia Articles for Content Quality Assessment across Languages

Paramita Das; Isaac Johnson; Diego Saez-Trumper; Pablo Aragón

Online News Coverage of Critical Race Theory Controversies: A Dataset of Annotated Headlines
Anna Lieb; Maneesh Arora; Eni Mustafaraj

Put Your Money Where Your Mouth Is: Dataset and Analysis of Real World Habit Building Attempts
Hitkul Jangra; Rajiv Ratn Shah; Ponnurangam Kumaraguru

AiGen-FoodReview: A Multimodal Dataset of Machine-Generated Restaurant Reviews
and Images on Social Media
Alessandro Gambetti; Qiwei Han

EnronSR: A Benchmark for Evaluating AI-Generated Email Replies
Moran Shay; Roei Davidson; Nir Grinberg

TweetIntent@Crisis: A Dataset Revealing Narratives of Both Sides in the Russia-Ukraine Crisis
Lin Ai; Sameer Gupta; Shreya Oak; Zheng Hui; Zizhou Liu; Julia Hirschberg

NELA-PS: A Dataset of Pink Slime News Articles for the Study of Local News Ecosystems
Benjamin D. Horne; Mauricio Gruppi

InstaSynth: Opportunities and Challenges in Generating Synthetic Instagram Data
with ChatGPT for Sponsored Content Detection
Thales Bertaglia; Lily Heisig; Rishabh Kaushal; Adriana Iamnitchi

Socio-Linguistic Characteristics of Coordinated Inauthentic Accounts
Keith Burghardt; Ashwin Rao; Georgios Chochlakis; Baruah Sabyasachee; Siyi Guo;
Zihao He; Andrew Rojecki; Shrikanth Narayanan; Kristina Lerman

2:00-3:00PM Spotlight Talks: LLMs

Look Ahead Text Understanding and LLM Stitching
Junlin Julian Jiang; Xin Li

The Persuasive Power of Large Language Models
Simon Martin Breum; Daniel Vædele Egdal; Victor Gram Mortensen; Anders Giovanni Møller;
Luca Maria Aiello

Evaluating and Improving Value Judgments in AI:
A Scenario-Based Study on Large Language Models' Depiction of Social Conventions
Jaeyoun You; Bongwon Suh

Measuring Moral Dimensions in Social Media with Mformer
Tuan Dung Nguyen; Ziyu Chen; Nicholas George Carroll; Alasdair Tran; Colin Klein; Lexing Xie

Stance Detection with Collaborative Role-Infused LLM-Based Agents
Xiaochong Lan; Chen Gao; Depeng Jin; Yong Li

3:00–4:30PM Poster Session & Refreshment Break

4:30–5:45PM Spotlight Talks: Platforms and Behaviors

Narratives of Collective Action in YouTube's Discourse on Veganism
Arianna Pera; Luca Maria Aiello

How to Train Your YouTube Recommender to Avoid Unwanted Videos
Alexander Liu; Siqi Wu; Paul Resnick

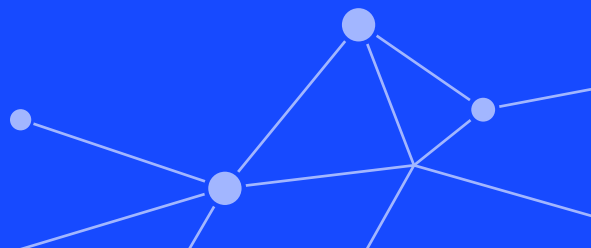
Emoji Promotes Developer Participation and Issue Resolution on GitHub
Yuhang Zhou; Xuan Lu; Ge Gao; Qiaozhu Mei; Wei Ai

The Evolution of Occupational Identity in Twitter Biographies
Xingzhi Guo; Dakota Handzlik; Jason J. Jones; Steven Skiena

Analyzing the Stance of Facebook Posts on Abortion Considering
State-level Health and Social Compositions
Ana Aleksandric; Henry Isaac Anderson; Anisha Dangal; Gabriela Mustata Wilson; Shirin Nilizadeh

Digital town square? Nextdoor's offline contexts and online discourse
Brown; Sanderson; Graham; Kim; Tucker; Messing

6:30–8:30PM Banquet Dinner // [Pearl Street Grill](#)



All main conference sessions will be held in Room 2120AB

9:00–10:00AM Adamic-Glance Keynote Speaker: Diyi Yang (Stanford University)

Can Large Language Models Transform Computational Social Science?

Large language model (LLM) provides great opportunities for analyzing text data at scale and has transformed the way humans interact with AI systems in a wide range of fields and disciplines. This talk shares two distinct approaches to how LLM can influence and potentially transform computational social science research. This first part analyzes the zero-shot performance of 13 LLMs on 24 representative computational social science benchmarks in order to provide a road map for using LLMs as computational social science tools. The second part explores social skill training with LLMs by presenting how we use LLMs to teach conflict resolution skills through simulated practice. We conclude by discussing concerns about using LLMs in the social sciences and offering recommendations on how to deal with them.

10:00–10:40AM Lightning Talks

ArguSense: Argument-Centric Analysis of Online Discourse

Arman Irani; Michalis Faloutsos; Kevin Esterling

Xenophobia Meter: Defining and Measuring Online Sentiment toward Foreigners on Twitter

Khonzoda Umarova; Oluchi Okorafor; Pinxian Lu; Sophia Shan; Alex Xu; Ray Zhou;
Jennifer Otiono; Beth Lyon; Gilly Leshed

Making Online Communities 'Better': A Taxonomy of Community Values on Reddit

Galen Weld; Amy X. Zhang; Tim Althoff

Orphan Articles: The Dark Matter of Wikipedia

Akhil Arora; Robert West; Martin Gerlach

Leveraging Recommender Systems to Reduce Content Gaps on Peer Production Platforms

Mo Houtti; Isaac Johnson; Morten Warncke-Wang; Loren Terveen

Decentralised Moderation for Interoperable Social Networks:

A Conversation-Based Approach for Pleroma and the Fediverse

Vibhor Agarwal; Aravindh Raman; Nishanth Sastry; Ahmed M. Abdelmoniem; Gareth Tyson; Ignacio Castro

Don't Break the Chain: Measuring Message Forwarding on WhatsApp

Philipe de Freitas Melo; Mohamad Hoseini; Savvas Zannettou; Fabricio Benevenuto

Disappearing without a Trace: Coverage, Community, Quality,
and Temporal Dynamics of Wikipedia Articles on Endangered Brazilian Indigenous Languages

Marisa Vasconcelos; Priscila de Souza Mizukami; Claudio Santos Pinhanez

How Audit Methodologies Can Impact Our Understanding of
YouTube's Recommendation Systems

Sarmad Chandio; Muhammad Daniyal Pirwani Dar; Rishab Nithyanand

CPL-NoViD: Context-Aware Prompt-Based Learning for Norm Violation Detection in Online Communities

Zihao He; Jonathan May; Kristina Lerman

Hate Cannot Drive Out Hate: Forecasting Conversation Incivility following Replies to Hate Speech

Xinchen Yu; Eduardo Blanco; Lingzi Hong

Making the Pick: Understanding Professional Editor Comment Curation in Online News

Yupeng He; Yimeng Gu; Ravi Shekhar; Ignacio Castro; Gareth Tyson

Understanding and Improving Content Moderation in Web3 Platforms

Wenrui Zuo; Raul J Mondragon; Aravindh Raman; Gareth Tyson

SensitivAlert: Image Sensitivity Prediction in Online Social Networks Using Transformer-Based Deep Learning Models

Lindrit Kqiku; Delphine Reinhardt

Measuring Causal Effects of Civil Communication without Randomization

Tony Liu; Lyle Ungar; Konrad Kording; Morgan McGuire

Community Needs and Assets: A Computational Analysis of Community Conversations

Md Towhidul Absar Chowdhury; Naveen Sharma; Ashiqur R. KhudaBukhsh

Watch Your Language: Investigating Content Moderation with Large Language Models

Deepak Kumar; Yousef Anees AbuHashem; Zakir Durumeric

The Effects of Group Sanctions on Participation and Toxicity:

Quasi-experimental Evidence from the Fediverse

Carl Colglazier; Nathan TeBlunthuis; Aaron Shaw

GMHP7k: A Corpus of German Misogynistic Hatespeech Posts

Jonas Glasebach; Max-Emanuel Keller; Alexander Döschl; Peter Mandl

MetaHate: A Dataset for Unifying Efforts on Hate Speech Detection

Paloma Piot; Patricia Martín-Rodilla; Javier Parapar

10:40-11:00AM Coffee Break

11:00-11:20AM Lightning Talks

Party Prediction for Twitter

Kellin Pelrine; Anne Imouza; Zachary Yang; Jacob Junqi Tian; Sacha Lévy; Gabrielle Desrosiers-Brisebois; Aarash Feizi; Cécile Amadoro; André Blais; Jean-François Godbout; Reihaneh Rabbany

A Study of Partisan News Sharing in the Russian Invasion of Ukraine

Yiming Zhu; Ehsan-Ul Haq; Gareth Tyson; Lik-Hang Lee; Yuyang Wang; Pan Hui

Opinion Market Model: Stemming Far-Right Opinion Spread Using Positive Interventions
Pio Calderon; Rohit Ram; Marian-Andrei Rizoio

Characterizing Political Campaigning with Lexical Mutants on Indian Social Media
Shruti Phadke; Tanushree Mitra

Computational Assessment of Hyperpartisanship in News Titles
Hanjia Lyu; Jinsheng Pan; Zichen Wang; Jiebo Luo

Temporal Network Analysis of Email Communication Patterns in a Long Standing Hierarchy
Matthew Russell Barnes; Mladen Karan; Stephen McQuistin; Colin Perkins; Gareth Tyson; Ignacio Castro; Richard G. Clegg; Matthew Purver

Characterizing Online Criticism of Partisan News Media Using Weakly Supervised Learning
Karthik Shivaram; Mustafa Bilgic; Matthew A. Shapiro; Aron Culotta

News Media and Violence against Women: Understanding Framings of Stigma
Shravika Mittal; Jasmine C. Foriest; Benjamin D. Horne; Munmun De Choudhury

Characterizing Information Propagation in Fringe Communities on Telegram
Mohamad Hoseini; Philippe de Freitas Melo; Fabricio Benevenuto; Anja Feldmann; Savvas Zannettou

Emergent Influence Networks in Good-Faith Online Discussions
Henry Kudzanai Dambanemuya; Daniel Romero; Eموke Agnes Horvat

11:20AM-12:30PM **Spotlight Talks: Political Communication**

Forecasting Political News Engagement on Social Media
Karthik Shivaram; Mustafa Bilgic; Matthew A. Shapiro; Aron Culotta

Throw Your Hat in the Ring (of Wikipedia): Exploring Urban-Rural Disparities
in the Production of Politicians' Information
Akira Matsui; Kunihiro Miyazaki; Taichi Murayama

Where Did the President Visit Last Week? Detecting Celebrity Trips from News Articles
Kai Peng; Ying Zhang; Shuai Ling; Zhaoru Ke; Haipeng Zhang

Curated and Asymmetric Exposure: A Case Study of Partisan Talk during COVID on Twitter
Zijian An; Jessica Breuhaus; Jason Niu; A. Erdem Sariyuce; Kenneth Joseph

Stranger Danger! Cross-Community Interactions with Fringe Users Increase the
Growth of Fringe Communities on Reddit
Giuseppe Russo; Manoel Horta Ribeiro; Robert West

12:30-1:30PM **Lunch Break // Boxed lunch is provided**

1:30–2:00PM Lightning Talks

Intermedia Agenda Setting during the 2016 and 2020 U.S. Presidential Elections
Yijing Chen; Yaguang Liu; Lisa Singh; Ceren Budak

Facebook Political Ads and Accountability:
Outside Groups Are Most Negative, Especially When Hiding Donors
Shomik Jain; Abby K Wood

Lived Experience Matters: Automatic Detection of Stigma toward People
Who Use Substances on Social Media
Salvatore Giorgi; Douglas Bellew; Daniel Roy Sadek Habib; João Sedoc; Chase Smutterberg;
Amanda Devoto; Mckenzie Himelein-Wachowiak; Brenda Curtis

Gender Gaps in Online Social Connectivity, Promotion and Relocation Reports on LinkedIn
Ghazal Kalhor; Hannah Gardner; Ingmar Weber; Ridhi Kashyap

Fair or Fare? Understanding Automated Transcription Error Bias in Social Media
and Videoconferencing Platforms
Daniel J Dubois; Nicole Holliday; Kaveh Waddell; David Choffnes

Evaluating and Improving Value Judgments in AI: A Scenario-Based Study on Large
Language Models' Depiction of Social Conventions
Jaeyoun You; Bongwon Suh

Leveraging Psychiatric Scale for Suicide Risk Detection on Social Media
Bichen Wang; Pengfei Deng; Song Chen; Yanyan Zhao; Bing Qin

Understanding Coordinated Communities through the Lens of Protest-Centric Narratives:
A Case Study on #CAA Protest
Neha Kumari; Vibhu Agrawal; Saurav Chhatani; Rajesh Sharma; Arun Balaji Buduru;
Ponnurangam Kumaraguru

Theme-Driven Keyphrase Extraction to Analyze Social Media Discourse
William Romano; Omar Sharif; Madhusudan Basak; Joseph Gatto; Sarah Masud Preum

Node Attribute Prediction with Weighted and Directed Edges on Single and Multilayer
Networks Tight Sampling in Unbounded Networks
Yiguang Zhang; Kristen M. Altenburger; Poppy Zhang; Tsutomu Okano; Shawndra Hill

Tight Sampling in Unbounded Networks
Kshitijaa Jaglan; Meher Chaitanya Pindiprolu; Triansh Sharma; Abhijeeth Reddy Singam;
Nidhi Goyal; Ponnurangam Kumaraguru; Ulrik Brandes

MultiFOLD: Multi-source Domain Adaption for Offensive Language Detection
Ayme Arango; Parisa Kaghazgaran; Sheikh Sarwar; Vanessa Murdock; Cj Lee

DoubleH: Twitter User Stance Detection via Bipartite Graph Neural Networks
Chong Zhang; Zhenkun Zhou; Xingyu Peng; Ke Xu

Cascade-Based Randomization for Inferring Causal Effects under Diffusion Interference
Zahra Fatemi; Jean Pouget-Abadie; Elena Zheleva

The Diffusion of Causal Language in Social Networks
Zhuoyu Shi; Fred Morstatter

2:00–3:00PM **Spotlight Talks: Disinformation and Mental Well-Being**

Does It Matter Who Said It? Exploring the Impact of Deepfake Profiles On User Perception Towards Disinformation
Margie Ruffin; Haeseung Seo; Aiping Xiong; Gang Wang

#LetsTalk: Understanding Social Media Usage of Self-Harm Users in India
Garima Chhikara; Abhijnan Chakraborty

Stories that Heal: Characterizing and Supporting Narrative for Suicide Bereavement
Dylan Thomas Doyle; Jay K. Ghosh; Reece Suchocki; Brian C. Keegan; Stephen Voids; Jed R. Brubaker

Classifying Conspiratorial Narratives At Scale: False Alarms and Erroneous Connections
Ahmad Diab; Rr. Nefriana; Yu-Ru Lin

On the Role of Large Language Models in Crowdsourcing Misinformation Assessment
Jiechen Xu; Lei Han; Shazia Sadiq; Gianluca Demartini

3:00–4:30PM **Poster Session & Refreshment Break**

4:30–5:10PM **Spotlight Talks: Toxicity and Incivility**

Understanding the Ripple Effects: Users' Behavioral and Emotional Response to Toxicity in Twitter Conversations
Ana Aleksandric; Sayak Saha Roy; Hanani Pankaj; Gabriela Mustata Wilson; Shirin Nilizadeh

Differences in the Toxic Language of Cross-Platform Communities
Ashwini Kumar Singh; Vahid Ghafouri; Jose Such; Guillermo Suarez-Tangil

A Crisis of Civility? Modeling Incivility and Its Effects in Political Discourse Online
Yujia Gao; Wenna Qin; Aniruddha Murali; Christopher Eckart; Xuhui Zhou; Jacob Daniel Beel; Yi-Chia Wang; Diyi Yang

5:45–9:15PM **Leave for Falls on Buses!**

Buses for return trip will depart at 9:15 PM



All main conference sessions will be held in Room 2120AB

9:00–10:00AM Keynote Speaker: Crystal Abidin (Curtin University)

Grey Visibility and the Shadow Influencer Industry

This talk introduces a new framework of 'shadow practices' (ethically ambiguous, quietly obscured, but calculated activities undertaken out of sight) for circumventing attention online.

10:00–10:40AM Lightning Talks

HyperGraphDis: Leveraging Hypergraphs for Contextual and Social-Based Disinformation Detection

Nikos Salamanos; Pantelitsa Leonidou; Nikolaos Laoutaris; Michael Sirivianos; Maria Aspri; Marius Paraschiv

A Semantic Interpreter for Social Media Handles

Azwad Anjum Islam; Mark A. Finlayson

SLaNT: A Semi-supervised Label Noise-Tolerant Framework for Text Sentiment Analysis

Bin Cao; Kai Jiang; Jing Fan

The Geography of Information Diffusion in Online Discourse on Europe and Migration

Elisa Leonardelli; Sara Tonelli

Morality in the Mundane: Categorizing Moral Reasoning in Real-Life Social Situations

Ruijie Xi; Munindar P. Singh

Socially-Motivated Music Recommendation

Benjamin Lacker; Samuel F. Way

Submodular Optimization beyond Nonnegativity:

Adaptive Seed Selection in Incentivized Social Advertising

Shaojie Tang; Jing Yuan

With Flying Colors: Predicting Community Success in Large-Scale Collaborative Campaigns

Abraham Israeli; Oren Tsur

The Strange Case of Jekyll and Hyde: Analysis of R/ToastMe and R/RoastMe Users on Reddit

Wooyong Jung; Nishant Asati; Phuong (Lucy) Doan; Thai Le; Aiping Xiong; Dongwon Lee

Curious Rhythms: Temporal Regularities of Wikipedia Consumption

Tiziano Piccardi; Martin Gerlach; Robert West

Consequences of Conflicts in Online Conversations

Kristen M. Altenburger; Robert E Kraut; Shirley Anugrah Hayati; Jane Dwivedi-Yu; Kaiyan Peng; Yi-Chia Wang

A Visual Approach to Tracking Emotional Sentiment Dynamics in Social Network Commentaries

Ismail Hossain; Sai Puppala; Md Jahangir Alam; Sajedul Talukder; Zahidur Talukder

Understanding the Features of Text-Image Posts and Their Received Social Support in Online Grief Support Communities

Shuailin Li; Shiwei Wu; Tianjian Liu; Han Zhang; Qingyu Guo; Zhenhui Peng

You Are a Bot! – Studying the Development of Bot Accusations on Twitter

Dennis Assenmacher; Leon Fröhling; Claudia Wagner

Partial Mobilization: Tracking Multilingual Information Flows amongst Russian Media Outlets and Telegram

Hans W. A. Hanley; Zakir Durumeric

Discovering Collective Narratives Shifts in Online Discussions

Wanying Zhao; Siyi Guo; Kristina Lerman; Yong-Yeol Ahn

Tracking Fringe and Coordinated Activity on Twitter Leading Up to the US Capitol Attack

Vishnuprasad Padinjaredath Suresh; Gianluca Nogara; Felipe Cardoso; Silvia Giordano; Stefano Cresci; Luca Luceri

Analyzing Support for U.S. Presidential Candidates in Twitter Polls

Scarano, Samroy, Yang, Grabowicz

10:40–11:00AM Coffee Break

11:00–11:20AM Lightning Talks

TUBERAIDER: Attributing Coordinated Hate Attacks on YouTube Videos to Their Source Communities

Mohammad Hammas Saeed; Kostantinos Papadamou; Jeremy Blackburn; Emiliano De Cristofaro; Gianluca Stringhini

Strategies and Attacks of Digital Militias in WhatsApp Political Groups

Daniel Kansaon; Philipe de Freitas Melo; Savvas Zannettou; Anja Feldmann; Fabricio Benevenuto

Reviewing War: Unconventional User Reviews as a Side Channel to Circumvent Information Controls

José Miguel Moreno; Sergio Pastrana; Jens Helge Reelfs; Pelayo Vallina; Savvas Zannettou; Andriy Panchenko; Georgios Smaragdakis; Oliver Hohlfeld; Narseo Vallina-Rodriguez; Juan Tapiador

Unraveling User Coordination on Telegram: A Comprehensive Analysis of Political Mobilization during the 2022 Brazilian Presidential Election

Otávio R. Venâncio; Carlos H. G. Ferreira; Jussara M. Almeida; Ana Paula C. da Silva

The Manifestation of Affective Polarization on Social Media: A Cross-Platform Supervised Machine Learning Approach

Christian Staal Bruun Overgaard; Josephine Lukito; Kaiya Soorholtz

Exploring Platform Migration Patterns between Twitter and Mastodon: A User Behavior Study
Ujun Jeong; Paras Sheth; Anique Tahir; Faisal Alatawi; H. Russell Bernard; Huan Liu

Examining Similar and Ideologically Correlated Imagery in Online Political Communication
Amogh Joshi; Cody Buntain

Unraveling the Dynamics of Television Debates and Social Media Engagement:
Insights from an Indian News Show
Kiran Garimella; Abhilash Datta

11:20AM-12:30PM **Spotlight Talks: Methods and Tools**

Calibrate-Extrapolate: Rethinking Prevalence Estimation with Black Box Classifiers
Siqi Wu; Paul Resnick

Online Social Behavior Enhanced Detection of Political Stances in Tweets
Xingyu Peng; Zhenkun Zhou; Chong Zhang; Ke Xu

Reliability Analysis of Psychological Concept Extraction and Classification in User-penned Text
Muskan Garg; MSVPJ Sathvik; Shaina Raza; Amrit Chadha; Sunghwan Sohn

Market or Markets? Investigating Google Search's Market Shares Under Vertical Segmentation
Desheng Hu; Jeffrey Gleason; Muhammad Abu Bakar Aziz; Alice Koeninger; Nikolas Guggenberger;
Ronald E. Robertson; Christo Wilson

Auditing Algorithmic Explanations of Social Media Feeds:
A Case Study of TikTok Video Explanations
Sepehr Mousavi; Krishna P. Gummadi; Savvas Zannettou

12:30-1:30PM **Lunch Break // Boxed lunch is provided**

1:30-2:00PM **Lightning Talks**

A Cross-Platform Topic Analysis of the Nazi Narrative on Twitter
and Telegram during the 2022 Russian Invasion of Ukraine
Ian Kloo; Iain J. Cruickshank; Kathleen M. Carley

Climbing the Influence Tiers on TikTok: A Multimodal Study
Pier Paolo Tricomi; Saurabh Kumar; Mauro Conti; V.S. Subrahmanian

Narratives of Collective Action in YouTube's Discourse on Veganism
Arianna Pera; Luca Maria Aiello

"I Am 30F and Need Advice!": A Mixed-Method Analysis of the Effects of Advice-Seekers'
Self-Disclosure on Received Replies
Yixin Chen; Scott A. Hale; Bernie Hogan

Sensemaking about Contraceptive Methods across Online Platforms

LeAnn McDowall; Maria Antoniak; David Mimno

Assessing the Impact of Online Harassment on Youth Mental Health in Private Networked Spaces

Seunghyun Kim; Afsaneh Razi; Ashwaq Alsoubai; Pamela J. Wisniewski; Munmun De Choudhury

Clock against Chaos: Dynamic Assessment and Temporal Intervention in

Reducing Misinformation Propagation

Shreya Ghosh; Prasenjit Mitra; Preslav Ivanov Nakov

Multilingual Serviceability Model for Detecting and Ranking Help

Requests on Social Media during Disasters

Fedor Vitiugin; Hemant Purohit

How COVID-19 Has Impacted the Anti-vaccine Discourse:

A Large-Scale Twitter Study Spanning Pre-COVID and Post-COVID Era

Soham Poddar; Subhendu Khatuya; Rajdeep Mukherjee; Niloy Ganguly; Saptarshi Ghosh

Understanding Community Resilience: Quantifying the Effects of Sudden Popularity
via Algorithmic Curation

Jackie Chan; Charlotte Lambert; Frederick Choi; Stevie Chancellor; Eshwar Chandrasekharan

ChatGPT Giving Relationship Advice – How Reliable Is It?

Haonan Hou; Kevin Leach; Yu Huang

Detection and Categorization of Needs during Crises from Social Media Data

Pingjing Yang; Ly Dinh; Alex Stratton; Jana Diesner

From Isolation to Desolation: Investigating Self-Harm Discussions in Incel Communities

Moonis Ali; Savvas Zannettou

2:00–3:00PM Townhall

3:00–4:00PM Poster Session & Refreshment Break

Additional poster displays NOT in Lightning Talks:

Human vs. LMMs: Exploring the Discrepancy in Emoji Interpretation and
Usage in Digital Communication

Hanjia Lyu; Weihong Qi; Zhongyu Wei; Jiebo Luo

Generative AI in Crowdsourcing for Web and Social Media Research:

A Survey of Workers at Three Platforms

Evgenia Christoforou; Gianluca Demartini; Jahna Otterbacher

Tube2Vec: Social and Semantic Embeddings of YouTube Channels
Léopaul Boesinger; Manoel Horta Ribeiro; Veniamin Veselovsky; Robert West

Analyzing Mentions of Death in COVID-19 Tweets
Divya Mani Adhikari; Muhammad Imran; Umair Gazi; Ingmar Weber

Scientific Appearance in Telegram
Jeong-Eun Choi; Karla Schäfer; York Yannikos

4:30–5:00PM Awards Ceremony & Closing Session

ICWSM 2024 Sponsors

ICWSM gratefully acknowledges all the contributions of the conference sponsors.

PLATINUM



GOLD



SILVER



BRONZE

