

# **13th Workshop on Computational Approaches to Subjectivity, Sentiment, and Social Media Analysis (WASSA 2023)**

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WASSA 2023

**The 13th Workshop on Computational Approaches to  
Subjectivity, Sentiment, & Social Media Analysis**

**Proceedings of the Workshop**

July 14, 2023

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## Introduction

While the first editions of the Workshop on Computational Approaches to Subjectivity Analysis (WASSA) focused mainly on sentiment and subjectivity analysis, the scope of this workshop has become both wider and deeper over the years, expanding the number of languages and tasks that are considered, while simultaneously looking at more specific subjective tasks.

The topics of this edition of WASSA range from exploring how harmful language proliferates in social media and news, to looking at the effects of using large pretrained language models on well-known sentiment/emotion analysis tasks, or creating resources for new tasks that focus on subjective language. Regarding languages, in this edition English is unsurprisingly the most represented (in 29 papers), with 2 papers each including Mandarin Chinese, Dutch, German, Hindi, and Spanish. This is followed by a long tail of languages that appear in only one paper (Algerian Arabic, Basque, Czech, Dari, French, Gujarati, Italian, Japanese, Kannada, Korean, Malayalam, Maltese, Modern Standard Arabic, Norwegian, and Tamil). Two papers also address multilingual emotion detection.

This year, WASSA offered two shared tasks: Shared-Task 1: Empathy Detection and Emotion Classification, which builds upon the previous shared task with a new track on empathy, emotion and self-disclosure detection in conversation at the speech-turn level, using a new, unpublished dataset. Shared-Task 2: Emotion Classification on code-mixed text messages (Roman Urdu + English), on the other hand, is a novel shared task focusing on multi-class and multi-label emotion classification on code-mixed (Roman Urdu + English) text messages. Two papers also submitted work on multilingual emotion analysis.

For the main workshop, we received 71 papers, one of the largest number of submissions for WASSA in its history. While we accepted a comparable large number, namely 43 (60.6%), we would like to point out that the competition has been quite tough – most submitted papers were of very high quality. For Shared Task 1 we received 12 system description paper submissions, while for Shared Task 2 we received 7 papers. In total, 61 papers will be presented at the workshop.

We also decided to award the best paper. Starting with the reviewer scores, the organizers of the workshop anonymously proposed candidates and then voted on them. The winner of the Best Paper Awards of this year’s WASSA is *Multilingual Language Models are not Multicultural: A Case Study in Emotion* by Shreya Havaladar, Sunny Rai, Bhumika Singhal, Langchen Liu Sharath Chandra Guntuku, and Lyle Ungar.

On top of the main workshop and shared task presentations, we are happy to have two invited speakers who will hold keynotes at WASSA 2023: Professor Emily Öhman from Wakeda University and Professor David Jurgens from the University of Michigan.

We would like to thank the ACL Organizers and Workshop chairs for their help and support during the preparation. We thank Google for their gold sponsorship. We also thank the OpenReview support team for their technical support. Finally, we especially thank the program committee for the time and effort they spent on reviewing, especially to those who were willing to perform emergency reviews. The quality of the program is a reflection of this hard work.

Jeremy Barnes, Orphée De Clercq, Roman Klinger

WASSA 2023 Chairs

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**Invited Speakers**

David Jurgens, University of Michigan  
Emily Öhman, Wakeda University

# Keynote Talk: Invited 1

David Jurgens

University of Michigan

2023-07-14 12:30:00 – Room: Harbour C

**Abstract:** NLP studies of communication often focus on the individual: What we say, when we say it, and how we say it. Yet, the larger social context beyond the individual also plays an important role in our communication — just think of things you can say to your friends but not your parents. How does the social context influence our communication style and content? In this talk, I will describe recent work from my group studying the influence of this context by examining how we choose who to communicate with, how we interpret messages, and how we phrase messages. Across these studies, I will motivate a causal approach for NLP when studying communication behavior to move beyond descriptive analyses to more precise estimates of the effects of social context.

**Bio:** David Jurgens is an assistant professor at the University of Michigan School of Information where he leads the Blablablab. He holds a PhD in Computer Science from the University of California, Los Angeles. His research focuses on the intersection between NLP and computational social science venues and has won the Cozzarelli Prize, Cialdini Prize, best paper at ICWSM and W-NUT, and best paper nomination at ACL and Web Science.

# Keynote Talk: Invited 2

Emily Öhman

Waseda University

2023-07-14 16:00:00 – Room: Harbour C

**Abstract:** Affective Datafication of Narratives: measuring affect, emotion, and mood in literary texts  
Our understanding of affect, emotion, and mood - despite the distinct nuances each term holds - often becomes blurred, leading to a usage that is almost interchangeable, particularly within sentiment analysis and NLP. In contrast, traditional fields such as literary studies hold on to more rigid definitions of these terms and how they are understood both in theory and practice. This can easily foster a disconnect between emerging fields such as computational literary studies and the more established qualitative counterparts. This disconnect unfortunately hinders the free exchange of innovative research ideas and methodologies. This talk aims to bridge this gap, highlighting the unique roles of affect, emotion, and mood in narratives and how we can attempt to robustly measure them. We will delve into the interplay of these terms, exploring how they shape and are shaped by authors, readers, and researchers focusing on the operationalization and translation involved in the analysis of emotion-laden phenomena. This exploration will underscore the need for a more comprehensive and nuanced understanding, encouraging synergy between tradition and innovation in emotion detection in general and literary research in particular.

**Bio:** Emily Öhman is currently a tenure-track Assistant professor of Digital Humanities at Waseda University. She received her PhD in Language Technology from the University of Helsinki, where her work centered on building multilingual emotion detection resources for downstream tasks.

Her research interests lie within digital humanities and NLP, more specifically sentiment analysis and emotion detection, often doing collaborations with various disciplines such as history, literature, and political science. Her recent projects have focused on negative emotions in literature using affect as a proxy for the literary concept of mood and most recently contrasting the semantic spaces of shame and guilt in Japanese and English social media posts.

## Table of Contents

<i>PESTO: A Post-User Fusion Network for Rumour Detection on Social Media</i> Erxue Min and Sophia Ananiadou . . . . .	1
<i>Sentimental Matters - Predicting Literary Quality by Sentiment Analysis and Stylometric Features</i> Yuri Bizzoni, Pascale Feldkamp Moreira, Mads Rosendahl Thomsen and Kristoffer Nielbo . . .	11
<i>Instruction Tuning for Few-Shot Aspect-Based Sentiment Analysis</i> Siddharth Varia, Shuai Wang, Kishalay Halder, Robert Vacareanu, Miguel Ballesteros, Yassine Benajiba, Neha Anna John, Rishita Anubhai, Smaranda Muresan and Dan Roth . . . . .	19
<i>You Are What You Read: Inferring Personality From Consumed Textual Content</i> Adam Sutton, Almog Simchon, Matthew Edwards and Stephan Lewandowsky . . . . .	28
<i>UNIDECOR: A Unified Deception Corpus for Cross-Corpus Deception Detection</i> Aswathy Velutharambath and Roman Klinger . . . . .	39
<i>Discourse Mode Categorization of Bengali Social Media Health Text</i> Salim Sazzed . . . . .	52
<i>Emotion and Sentiment Guided Paraphrasing</i> Justin J Xie and Ameeta Agrawal . . . . .	58
<i>Emotions in Spoken Language - Do we need acoustics?</i> Nadine Probol and Margot Mieskes . . . . .	71
<i>Understanding Emotion Valence is a Joint Deep Learning Task</i> Gabriel Roccabruna, Seyed Mahed Mousavi and Giuseppe Riccardi . . . . .	85
<i>Czech-ing the News: Article Trustworthiness Dataset for Czech</i> Matyas Bohacek, Michal Bravansky, Filip Trhlík and Vaclav Moravec . . . . .	96
<i>Towards Detecting Harmful Agendas in News Articles</i> Melanie Subbiah, Amrita Bhattacharjee, Yilun Hua, Tharindu Sandaruwan Kumarage, Huan Liu and Kathleen McKeown . . . . .	110
<i>GSAC: A Gujarati Sentiment Analysis Corpus from Twitter</i> Monil Gokani and Radhika Mamidi . . . . .	129
<i>A Dataset for Explainable Sentiment Analysis in the German Automotive Industry</i> Andrea Zielinski, Calvin Spolwind, Henning Kroll and Anna Grimm . . . . .	138
<i>Examining Bias in Opinion Summarisation through the Perspective of Opinion Diversity</i> Nannan Huang, Lin Tian, Haytham M. Fayek and Xiuzhen Zhang . . . . .	149
<i>Fluency Matters! Controllable Style Transfer with Syntax Guidance</i> Ji-Eun Han and Kyung-Ah Sohn . . . . .	162
<i>ChatGPT for Suicide Risk Assessment on Social Media: Quantitative Evaluation of Model Performance, Potentials and Limitations</i> Hamideh Ghanadian, Isar Nejadgholi and Hussein Al Osman . . . . .	172
<i>Unsupervised Domain Adaptation using Lexical Transformations and Label Injection for Twitter Data</i> Akshat Gupta, Xiaomo Liu and Sameena Shah . . . . .	184

<i>Transformer-based cynical expression detection in a corpus of Spanish YouTube reviews</i> Samuel Gonzalez-Lopez and Steven Bethard . . . . .	194
<i>Multilingual Language Models are not Multicultural: A Case Study in Emotion</i> Shreya Havaldar, Bhumika Singhal, Sunny Rai, Langchen Liu, Sharath Chandra Guntuku and Lyle Ungar . . . . .	202
<i>Painsight: An Extendable Opinion Mining Framework for Detecting Pain Points Based on Online Customer Reviews</i> Yukyung Lee, Jaehee Kim, Doyoon Kim, Yookyung Kho, Younsun Kim and Pilsung Kang . .	215
<i>Context-Dependent Embedding Utterance Representations for Emotion Recognition in Conversations</i> Patrícia Pereira, Helena Silva Moniz, Isabel Dias and Joao Paulo Carvalho . . . . .	228
<i>Combining Active Learning and Task Adaptation with BERT for Cost-Effective Annotation of Social Media Datasets</i> Jens Lemmens and Walter Daelemans . . . . .	237
<i>Improving Dutch Vaccine Hesitancy Monitoring via Multi-Label Data Augmentation with GPT-3.5</i> Jens Van Nooten and Walter Daelemans . . . . .	251
<i>Emotion Analysis of Tweets Banning Education in Afghanistan</i> Mohammad Ali Hussiny and Lilja Øvrelid . . . . .	271
<i>Identifying Slurs and Lexical Hate Speech via Light-Weight Dimension Projection in Embedding Space</i> Sanne Hoeken, Sina Zarriß and Ozge Alacam . . . . .	278
<i>Sentiment and Emotion Classification in Low-resource Settings</i> Jeremy Barnes . . . . .	290
<i>Analyzing Subjectivity Using a Transformer-Based Regressor Trained on Naïve Speakers' Judgements</i> Elena Savinova and Fermin Moscoso Del Prado . . . . .	305
<i>A Fine Line Between Irony and Sincerity: Identifying Bias in Transformer Models for Irony Detection</i> Aaron Maladry, Els Lefever, Cynthia Van Hee and Veronique Hoste . . . . .	315
<i>ChatGPT is fun, but it is not funny! Humor is still challenging Large Language Models</i> Sophie Jentzsch and Kristian Kersting . . . . .	325
<i>How to Control Sentiment in Text Generation: A Survey of the State-of-the-Art in Sentiment-Control Techniques</i> Michela Lorandi and Anya Belz . . . . .	341
<i>Transformer-based Prediction of Emotional Reactions to Online Social Network Posts</i> Irene Benedetto, Moreno La Quatra, Luca Cagliero, Luca Vassio and Martino Trevisan . . . . .	354
<i>Transfer Learning for Code-Mixed Data: Do Pretraining Languages Matter?</i> Kushal Tatariya, Heather Lent and Miryam De Lhoneux . . . . .	365
<i>Can ChatGPT Understand Causal Language in Science Claims?</i> Yuheun Kim, Lu Guo, Bei Yu and Yingya Li . . . . .	379
<i>Systematic Evaluation of GPT-3 for Zero-Shot Personality Estimation</i> Adithya V Ganesan, Yash Kumar Lal, August Håkan Nilsson and H. Schwartz . . . . .	390
<i>Utterance Emotion Dynamics in Children's Poems: Emotional Changes Across Age</i> Daniela Teodorescu, Alona Fyshe and Saif M. Mohammad . . . . .	401

<i>Annotating and Training for Population Subjective Views</i> Maria Alexeeva, Caroline Hyland, Keith Alcock, Allegra A. Beal Cohen, Hubert Kanyamahanga, Isaac Kobby Anni and Mihai Surdeanu .....	416
<i>Exploration of Contrastive Learning Strategies toward more Robust Stance Detection</i> Udhaya Kumar Rajendran and Amine Trabelsi .....	431
<i>Adapting Emotion Detection to Analyze Influence Campaigns on Social Media</i> Ankita Bhaumik, Andy Bernhardt, Gregorios A Katsios, Ning Sa and Tomek Strzalkowski ..	441
<i>Not Just Iconic: Emoji Interpretation is Shaped by Use</i> Brianna O’Boyle and Gabriel Doyle .....	452
<i>The Paradox of Multilingual Emotion Detection</i> Luna De Bruyne .....	458
<i>Sadness and Anxiety Language in Reddit Messages Before and After Quitting a Job</i> Molly E. Ireland, Micah Iserman and Kiki Rose Adams .....	467
<i>Communicating Climate Change: A Comparison Between Tweets and Speeches by German Members of Parliament</i> Robin Schaefer, Christoph Maximilian Abels, Stephan Lewandowsky and Manfred Stede . . .	479
<i>Modelling Political Aggression on Social Media Platforms</i> Akash Rawat, Nazia Nafis, Dnyaneshwar Bhadane, Diptesh Kanojia and Rudra Murthy . . . .	497
<i>Findings of WASSA 2023 Shared Task on Empathy, Emotion and Personality Detection in Conversation and Reactions to News Articles</i> Valentin Barriere, João Sedoc, Shabnam Tafreshi and Salvatore Giorgi .....	511
<i>YNU-HPCC at WASSA-2023 Shared Task 1: Large-scale Language Model with LoRA Fine-Tuning for Empathy Detection and Emotion Classification</i> Yukun Wang, Jin Wang and Xuejie Zhang .....	526
<i>AdityaPatkar at WASSA 2023 Empathy, Emotion, and Personality Shared Task: RoBERTa-Based Emo- tion Classification of Essays, Improving Performance on Imbalanced Data</i> Aditya Patkar, Suraj Chandrashekhar and Ram Mohan Rao Kadiyala .....	531
<i>Curtin OCAI at WASSA 2023 Empathy, Emotion and Personality Shared Task: Demographic-Aware Prediction Using Multiple Transformers</i> Md Rakibul Hasan, Md Zakir Hossain, Tom Gedeon, Susannah Soon and Shafin Rahman . . .	536
<i>Team_Hawk at WASSA 2023 Empathy, Emotion, and Personality Shared Task: Multi-tasking Multi- encoder based transformers for Empathy and Emotion Prediction in Conversations</i> Addepalli Sai Srinivas, Nabarun Barua and Santanu Pal .....	542
<i>NCUEE-NLP at WASSA 2023 Shared Task 1: Empathy and Emotion Prediction Using Sentiment- Enhanced RoBERTa Transformers</i> Tzu-Mi Lin, Jung-Ying Chang and Lung-Hao Lee .....	548
<i>Domain Transfer for Empathy, Distress, and Personality Prediction</i> Fabio Gruschka, Allison Lahnala, Charles Welch and Lucie Flek .....	553
<i>Converge at WASSA 2023 Empathy, Emotion and Personality Shared Task: A Transformer-based Ap- proach for Multi-Label Emotion Classification</i> Aditya Paranjape, Gaurav Kolhatkar, Yash Patwardhan, Omkar Gokhale and Shweta Dharmadhi- kari .....	558

<i>PICT-CLRL at WASSA 2023 Empathy, Emotion and Personality Shared Task: Empathy and Distress Detection using Ensembles of Transformer Models</i>	
Tanmay Chavan, Kshitij Deshpande and Sheetal Sonawane .....	564
<i>Team Bias Busters at WASSA 2023 Empathy, Emotion and Personality Shared Task: Emotion Detection with Generative Pretrained Transformers</i>	
Andrew Nedilko and Yi Chu .....	569
<i>HIT-SCIR at WASSA 2023: Empathy and Emotion Analysis at the Utterance-Level and the Essay-Level</i>	
Xin Lu, Zhuojun Li, Yanpeng Tong, Yanyan Zhao and Bing Qin .....	574
<i>VISU at WASSA 2023 Shared Task: Detecting Emotions in Reaction to News Stories Using Transformers and Stacked Embeddings</i>	
Vivek Kumar, Prayag Tiwari and Sushmita Singh .....	581
<i>Findings of WASSA 2023 Shared Task: Multi-Label and Multi-Class Emotion Classification on Code-Mixed Text Messages</i>	
Iqra Ameer, Necva Bölücü, Hua Xu and Ali Al Bataineh .....	587
<i>Emotion classification on code-mixed text messages via soft prompt tuning</i>	
Jinghui Zhang, Dongming Yang, Siyu Bao, Lina Cao and Shunguo Fan .....	596
<i>PrecogIIITH@WASSA2023: Emotion Detection for Urdu-English Code-mixed Text</i>	
Bhaskara Hanuma Vedula, Prashant Kodali, Manish Shrivastava and Ponnurangam Kumaraguru	601
<i>BpHigh at WASSA 2023: Using Contrastive Learning to build Sentence Transformer models for Multi-Class Emotion Classification in Code-mixed Urdu</i>	
Bhavish Pahwa .....	606
<i>YNU-HPCC at WASSA 2023: Using Text-Mixed Data Augmentation for Emotion Classification on Code-Mixed Text Message</i>	
Xuqiao Ran, You Zhang, Jin Wang, Dan Xu and Xuejie Zhang .....	611
<i>Generative Pretrained Transformers for Emotion Detection in a Code-Switching Setting</i>	
Andrew Nedilko .....	616