

NLPSI 2025

**The First Workshop on Integrating NLP and Psychology to
Study Social Interactions (NLPSI) @ICWSM '25**

Proceedings of the Workshop

June 23, 2025

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Copenhagen, Denmark

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Preface

This volume presents the proceedings of the First Workshop on Integrating NLP and Psychology to Study Social Interactions (NLPSI 2025), held in conjunction with the 19th International AAAI Conference on Web and Social Media (ICWSM 2025) in Copenhagen, Denmark.

The workshop was motivated by the observation that recent advances in Natural Language Processing offer new opportunities to study psychological phenomena in language at a scale that was previously out of reach. NLP allows us to move beyond controlled, small-scale experiments and conduct large-scale studies that engage with key theories and research questions in psychology, while psychological research designs and theories in turn offer valuable grounding for NLP work on communication and social interaction.

The workshop received 25 submissions, of which we accepted 16: 5 long papers, 3 short papers, and 8 extended abstracts. Among the extended abstracts, 6 were non-archival and are therefore not included in the proceedings. The accepted contributions covered a broad range of topics, including multi-agent LLM simulations of social interaction, negotiation, and persuasion; computational modeling of psychological constructs such as motives, basic psychological needs, and well-being; the use of generative agents to study behavior change and belief revision; pragmatic and narrative-based approaches to interpersonal communication; and the development of lexical resources for social media analysis.

The workshop featured an invited talk by Bennett Kleinberg (Tilburg University & University College London), titled “Human and Machine Behaviour – Bridging Psychology and Computational Methods.” Bennett Kleinberg is an Associate Professor in Behavioural Data Science at Tilburg University (Department of Methodology and Statistics) and University College London (Department of Security and Crime Science).

We are grateful to the ICWSM 2025 workshop chairs for enabling these proceedings to be included in the ACL Anthology. We would also like to warmly thank the members of our Program Committee; your time investment and thorough reviews played a key role in shaping the quality of this workshop. Finally, we thank the authors for their contributions and the participants for making this first edition of NLPSI a success.

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Program Chairs

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Keynote Talk

Human and Machine Behaviour – Bridging Psychology and Computational Methods

Bennett Kleinberg
Tilburg University & University College London



Bio: Bennett Kleinberg is an Associate Professor in Behavioural Data Science at Tilburg University (Department of Methodology and Statistics) and University College London (Department of Security and Crime Science). His research explores the interplay and advancement of computational methods and psychological research to study human behaviour. He previously worked at the UCL Dawes Centre for Future Crime and earned his PhD from the Department of Psychology at the University of Amsterdam. His lab addresses two core questions: how computational methods can enhance our understanding of human behaviour, and how psychological research methods can inform our understanding of computational model behaviour, with a methodological focus on textual data and psychological processes, including deception detection, human resilience, and machine behaviour.

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