



LREC 2026

Information Disorder Workshop (InDor) @ LREC 2026

Workshop Proceedings

Editors

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Ashraf, Ada Ren, Ioannis Konstas, Usman Naseem**

12 May 2026

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ISBN 978-2-493814-87-6

Preface

Online disinformation poses a critical challenge to modern societies due to its influence on public opinion, behaviour, and democratic processes. The Natural Language Processing (NLP) community has increasingly addressed this issue through the development of resources and automated tools for detecting disinformation online. However, the lack of a shared theoretical and interdisciplinary framework leads to fragmented research approaches and leaves open challenges related to cultural and contextual interpretations of disinformation.

The Information Disorder (InDor) workshop aims to foster interdisciplinary and intersectoral dialogue to advance NLP research on disinformation. InDor starts from the Information Disorder framework (Wardle & Derakshan, 2017), which classifies false information into misinformation, disinformation, and malinformation and emphasises the importance of contextual and communicative factors (production, intentions, audience) in its spread. In this context, InDor seeks to establish a common and interdisciplinary theoretical foundation for disinformation research, examine cultural influences on susceptibility to disinformation, encourage interdisciplinary collaboration in dataset and model development, and explore the impact of real-world applications designed to counter disinformation.

This first edition of InDor features as its keynote speaker one of the creators of the Information Disorder framework: Professor Claire Wardle. Her talk *Revisiting the Information Disorder Framework: Reflecting on the use and relevance of definitions in our contemporary ecosystems* offers a reflection on this framework, created in 2017, analyzing the new challenges of the information process. This event wants to start an interdisciplinary discussion about disinformation providing remote and poster presentations of both archival and non-archival contributions and a round table with experts from NLP, philosophy and communication. We will also award the positional paper titled *Combating Disinformation: Is There No Alternative?* as the InDor best paper. Authors propose to interpret information disorders not only as informational distortion but as a “syndrome with complex causes embedded in contexts of economic precarity, institutional distrust, and informational inequality” (Bassi et al., 2026).

InDor received 25 submissions, of which 19 were accepted: 6 non-archival and 13 archival. The fields covered range from linguistics, psychology, philosophy, NLP, and machine learning. To celebrate the success of this first edition, we would like to thank all the members of the Program Committee who helped us promote the event and review the contributions, and thank Google DeepMind for sponsoring the InDor workshop!

Keynote Talk

Revisiting the Information Disorder Framework: Reflecting on the use and relevance of definitions in our contemporary ecosystems.

Claire Wardle

Cornell University

12 May 2026 - Room 5

Abstract: In 2017, Claire Wardle and Hossein Derakshan wrote a report for the Council of Europe, entitled 'Information Disorder'. The frameworks laid out in the report has been used in different contexts globally, but in this talk, Wardle reflects on their usefulness. She considers whether they still have utility or whether they have simplified and limited the ways in which we understand the current challenges posed by contemporary information ecosystems.

Bio: Claire Wardle is an Associate Professor in the Department of Communication at Cornell University. She is considered a leader in the field of misinformation, verification and user generated content. In 2015, Claire co-founded the non-profit First Draft, a pioneer in innovation, research and practice in the field of misinformation. She went on to co-found the Information Futures Lab at Brown University's School of Public Health. Over the past decade she has developed an organization-wide training program for the BBC on eyewitness media, verification and misinformation, led social media policy at UNHCR, been a Fellow at the Shorenstein Center for Media, Politics and Public Policy at Harvard's Kennedy School, and been the Research Director at the Tow Center for Digital Journalism at Columbia University's Graduate School of Journalism. She has authored a number of articles and reports, including Information Disorder: An interdisciplinary Framework for Research and Policy for the Council of Europe and A Conceptual Analysis of the Overlaps and Differences between Hate Speech, Misinformation and Disinformation for the United Nation's Department of Peace Operations. She holds a Ph.D. in Communication from the University of Pennsylvania.

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- Shaina Ashraf, University of Bonn
- Ada Ren, Macquarie University
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Workshop Program

Tuesday, May 12, 2026

14:00–14:10 Introduction

14:10–15:00 Keynote speech: Claire Wardle

15:00–15:15 Best paper award

Combating Disinformation: Is There No Alternative?

Davide Bassi, Søren Kirkegaard Fomsgaard, Erik Bran Marino and Katarina Laken

15:15–16:00 Remote presentations

Unraveling Deceptive Narratives: A Study of Conceptual Frameworks

Elie Alhajjar

High Accuracy, Low Generalization: Structural Homogeneity and Cross-Dataset Evaluation in Fake-News Benchmarks

Hiram Calvo and Mayte H. Laureano

Culturally Adaptive Explainable LLM Assessment for Multilingual Information Disorder: A Human-in-the-Loop Approach

Maziar Kianimoghadam Jouneghani

Benchmarking Check-Worthiness Models on LLM Generated Claims

Charlie George Roadhouse, Matthew Shardlow and Ashley Williams

Media Bias within Information Disorder: Bridging Two Research Communities through a Systematic Review

Francisco-Javier Rodrigo-Ginés and Jorge Chamorro-Padial

Towards an Intelligent Assistive System for Contextualized Ad-Hoc Information Verification and Discernment

Yunqian Bao and ChengXiang Zhai

Tuesday, May 12, 2026 (continued)

16:00–16:30 Coffe break

16:00–17:00 Poster presentation

Reliable News or Propagandist News? A Neurosymbolic Model Using Genre, Topic, and Persuasion Techniques to Improve Robustness in Classification

Géraud Faye, Benjamin Icard, Morgane Casanova, Guillaume Gadek, Guillaume Gravier, Wassila Ouerdane, Celine Hudelot, Sylvain Gatepaille and Paul Égré

Propaganda across Text Types in Russian Wartime Narratives
Anastasiia Vestel and Stefania Degaetano-Ortlieb

Grounding Information Disorder in NLP: A Theoretical and Operational Framework

Wajdi Zaghoulani

Emotion and Information Disorder in NLP: A Systematic Mapping and Benchmark Blueprint

Renatha Vieira and Alvaro Figueira

Efficient and Explainable Hate Speech Detection through Distillation, Reasoning, and Agentic AI

Paloma Piot and Javier Parapar

Beyond Information Threats: Identifying the Psychosocial Indicators of Conspiracy-driven Victimisation

Sundara Kashyap Vadapalli, Mioara Cristea and Katerina Strani

A Multilingual Linguistic Analysis of Human vs LLM-Generated News in a Disinformation Context

Silvia Gargova, Alba Perez-Montero, Elena Lloret Pastor and Paloma Moreda Pozo

Disinformation between Knowledge and Ignorance. an Epistemological Comparison

Antonio Lizzadri

Population Replacement Conspiracy Theories Detection on Telegram and News Headlines: Benchmarking LLMs and BERT Models in Portuguese and Italian

Erik Bran Marino and Renata Vieira

Tuesday, May 12, 2026 (continued)

16:00–17:00 Poster presentation

A Cognitively-Grounded Bayesian Framework for Misinformation Susceptibility

Pranava Madhyastha

Mapping Discourse Reframing: A Multi-Layer Network Approach to Italian HPV Vaccine Discourse on X (2010-2024)

Lorella Viola

17:00–17:55 Round table discussion

17:55–18:00 Closing remarks

