

Tommaso Caselli

CURRENT POSITION

Senior Assistant Professor

Faculty of Arts - Rijksuniversiteit
Groningen

September 2017

Groningen - NL

Research Interests: timeline and storyline extraction; perspectives identification and narrative understanding; hate speech and misinformation detection and countering .

Scientific coordination: Social Media Sensing Group (RUG-SMS - in collaboration with prof. Malvina Nissim); Member of the board of Italian Association for Computational Linguistics (AILC) (2026 – 2028); Jantina Tammes School of Digital Society, Technology, and AI – Theme Coordinator “Language and AI” (October 2023 – October 2025); Shared task participation: EVALITA 2026 - FadeIT: Fallacy Detection in Italian Social Media Texts; 2024 CheckThat! Lab Task 1: Check-worthiness estimation (part of CLEF 2024); 2023 CheckThat! Lab Task 2: Subjectivity in news (part of CLEF 2023).

Managing: Shared task organization: 2024 *CheckThat!* Lab at CLEF (misinformation/checkworthiness); EVALITA 2023 HODI (hate speech); EVALITA 2023 PoliticIT task; 2023 *CheckThat!* Lab at CLEF (misinformation / subjectivity). Volume/journal editor Computational Analysis of Storylines (edited volume; CUP); Research Topic on Frontiers in Artificial Intelligence on “Bias, Subjectivity and Perspectives in Natural Language Processing” (2022); Computational Linguistics in the Netherlands (2019 - volume 9); Conference editor: Area Chair for ACL Rolling Review (2023 - ongoing); Senior Area Chair of the Bias, Offensive and Non-inclusive Language; Guardrails, filters track of LREC 2026; Senior Area Chair of the Sentiment Analysis and Opinion Mining track at COLING 2022. Workshop organization: Truth is in the Eyes of Machines - Symposium (2025); 1st Workshop on Reference, Framing, and Perspective (2024); 1st Joint Workshop on Narrative Understanding, Storylines, and Events (2020).

Ph.D. supervision: Mariana Chaves (February 2026; RUG; promoter: dr. M. Esteve Del Valle); Kaixuan Ren (November 2025 - ongoing; cotutelle RUG–Macquarie University; promoter: prof. M. Nissim); Ruhi Mahadeshwar (2025 - ongoing; RUG; promoter: prof. Malvina Nissim) Greta Zella (2022 - ongoing; RUG; promoter: prof. Gerry Vakker); Iris Baas (2022 - ongoing; RUG; promoter: prof. Marcel Broesma); Gosse Minnema (2019 - 2024; RUG; promoter: prof. Malvina Nissim).

Invited speaker/lecture: 2026: 6th Workshop on Reducing Online Misinformation Through Credible Information Retrieval (ROMCIR) (co-located with ECIR); 2025: 3rd Symposium on “NLP for Social Good” (University of Liverpool); No Hate Embassy (Erasmus+ K2 project) Webinar “Being Silenced. What to do?”; 1st Workshop NLP 4 Ecology (co-located with NoDaLiDa - Baltic HLT) 2024: NLP for Countering Online Misinformation (invited speaker; Universitat Politècnica de Valencia); 2023: Large Language Models - Sfoltire il sensazionalismo (invited speaker; ERC ABSTRACTION Seminar series; University of Bologna); Mitigating Information Disorders with NLP (CAROLL Workshop; University of Passau); AI & Educations: Opportunities, Challenges, & Risks (invited speaker; Hogeschool Zeeland); 2022: Perspectivist Approach in NLP (panel; LREC 2022); You Need Facts to Tell a Story (invited speaker; TAGFACT Workshop); 2021: Cosa significa? (seminar/lecture; Dept. of Linguistics, University of Bologna).

Awards 2023: ACL 2023 Outstanding Paper; ACL 2023 Outstanding Area Chair; 2022: AACL 2022 Best Paper Award; COLING 2022 Outstanding Paper; 2021: Best student paper award CLIC-it 2021.

PROJECTS

CIT Innovation Fund: A3i - University of Groningen internal fundings.

HAICu: digital Humanities - Artificial Intelligence - Cultural heritage -
NWO Onderzoek op Routes door Consortia (2024-2030) co-applicant.

**SELECTED
PUBLICATIONS**

Articles in journals - selected

- Zella, G., Bolderdijk, J.W., Caselli, T., and Peels-Matthey, S. (2025) The Role of Neologisms in the Climate Change Debate: Can New Words Help to Speed Up Social Change? *Wiley Interdisciplinary Reviews: Climate Change* 16, 2.
- Caselli, T. (2025) Understanding generative AI to harness its potentials and minimize risks: A perspective. *European Journal of Radiology* Volume 184
- Caselli, T. and Bos, J. (2023) Investigating interoperable event corpora: limitations of reusability of resources and portability of models. *Lang Resources & Evaluation* <https://doi.org/10.1007/s10579-023-09643-6>.

Conference proceedings - selected (full paper peer review)

- Ruzzetti, E.S., Zanzotto, F. M., and Caselli T. (2026) Lexical Popularity: Quantifying the Impact of Pre-training for LLM Performance. In *Proceedings of the 19th Conference of the European Chapter of the Association for Computational Linguistics (EACL 2026)*. Association for Computational Linguistics (ACL).
- Dini, L., Brunato, D., Dell’Orletta, F., and Caselli, T. (2025) TEXT-CAKE: Challenging Language Models on Local Text Coherence. In *Proceedings of the 31st International Conference on Computational Linguistics (COLING 2025)*. Association for Computational Linguistics (ACL).
- Muti, A., Ruggeri, F., Al-Khatib, K., Barrón-Cedeño, A., and Caselli, T. (2024) Language Is Scary When Overanalyzed: Unpacking Implied Misogynistic Reasoning with Argumentation Theory-Driven Prompts. In *Proceedings of the 2024 Conference on Empirical Methods in Natural Language Processing (EMNLP 2024)*. Association for Computational Linguistics (ACL).
- Anting Tan, F., Hettiarachchi, H., Hürriyetoglu, A., Oostdijk, N., Caselli, T., Nomoto, T., Uca, O., Ferdousi Liza, F., and Ng, S. (2023) RECESS: Resource for Extracting Cause, Effect, and Signal Spans In *Proceedings of the 3rd Conference of the Asia-Pacific Chapter of the Association for Computational Linguistics and the 11th International Joint Conference on Natural Language Processing*, Association for Computational Linguistics (ACL).
- Stranisci M. A., Damiano, R., Mensa, E., Patti, V., Radicioni, D., and Caselli, T. (2023). WikiBio: a Semantic Resource for the Intersectional Analysis of Biographical Events. In *Proceedings of the 61st Annual Meeting of the Association for Computational Linguistics (Volume 1: Long Papers)*, pages 12370–12384, Toronto, Canada. Association for Computational Linguistics. ***Outstanding Paper***
- Minnema, G., Gemelli, S., Zanchi, C., Caselli, T., and Nissim, M. (2022) Dead or Murdered? Predicting Responsibility Perception in Femicide News Reports. In *Proceedings of the 2nd Conference of the Asia-Pacific Chapter of the Association for Computational Linguistics and the 10th International Joint Conference on Natural Language Processing*, Association for Computational Linguistics (ACL). ***Best Paper Award***