

Special Issue

Innovations in Automated Deception Detection

Message from the Guest Editors

The ability to detect deceptive communication is one of the key challenges in contemporary computing. In news and social media, deception is studied in terms of the problem of fake news. In marketing, the subject of research is the detection of fake, commercially beneficial, or harmful opinions known as opinion spam. Recently, the need for checking veracity emerged in the context of generative artificial intelligence and large language models (LLMs), addressing issues of hallucination detection and mitigation. This Special Issue will cover a wide array of topics, including (but not limited to) the following:

- Computer-based detection of fake news;
- Stylometric and psycholinguistic methods in deception detection;
- Multimodal deception detection;
- Automated fact checking;
- Detecting lies and hallucinations in LLM text generation;
- Prompt engineering for deception detection;
- Explainable AI applied to deception detection;
- Comparison of human vs. AI-generated false utterances.

Guest Editors

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Message from the Editor-in-Chief

Informatics (ISSN 2227-9709) is an international, peer-reviewed, open access journal, which publishes original theoretical and empirical work on the science of informatics and its application in multiple fields. Our concept of Informatics includes technologies of information and communication as well as the biological, social, linguistic and cultural changes that initiate, accompany and complicate their development. *Informatics* publishes regular research articles, reviews and short notes. There is no restriction on the length of papers, and we encourage researchers to publish their theoretical and empirical results in as much detail as possible. The scientific community and the public have unlimited and free access to the content as soon as it is published. We would be pleased to welcome you as one of our authors.

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