

## Special Issue

# Trustworthy LLM: AIGC Detection, Alignment and Evaluation

### Message from the Guest Editors

Topics of interest include, but are not limited to, the following:

- Detection and classification of AIGC;
- Alignment techniques for value-consistent model behavior;
- Benchmarking and multi-dimensional evaluation of LLM trustworthiness;
- Defense against hallucination, adversarial inputs, and misuse;
- Auditing, interpretability, and policy-guided generation;
- Cross-modal LLM trust and safety frameworks;
- Application-specific trust analysis in law, healthcare, education, etc.;
- Trustworthiness metrics and benchmarking datasets for LLMs;
- Risk assessment and mitigation of hallucination, bias, and toxicity;
- Formal verification methods for generative models;
- Model auditing, red-teaming, and safety testing tools;
- Privacy-preserving LLM architectures and training pipelines;
- Regulatory compliance and value alignment with legal/ethical norms;
- Human-AI collaboration and feedback-driven alignment;
- Trust calibration and user perception analysis of AIGC systems;
- Watermarking, traceability, and provenance detection for generated content;
- Security threats in multimodal LLMs;
- Model collapse, degradation, and long-term trustworthiness.

### Guest Editors

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Dr. Conghui Zheng

Prof. Dr. Ning Liu

Dr. Lifeng Huang



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### Message from the Editor-in-Chief

*Electronics* is a multidisciplinary journal designed to appeal to a diverse audience of research scientists, practitioners, and developers in academia and industry. The journal is devoted to fast publication of latest technological breakthroughs, cutting-edge developments, and timely reviews of current and emerging technologies related to the broad field of electronics. Experimental and theoretical results are published as regular peer-reviewed articles or as articles within Special Issues guest-edited by leading experts in selected topics of interest.

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### Editor-in-Chief

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