Dr. Enes ALTUNCU - Curriculum Vitae

Dr. Enes ALTUNCU

Lecturer with Doctorate · Department of Computer Engineering

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Current Academic Position

Lecturer with Doctorate, Department of Computer Engineering, Istanbul University-Cerrahpaşa

Research Interests

My research focuses on misinformation, digital deception, human-centred cyber security, and AI-driven approaches for improving online safety and information integrity.

Education

- **PhD in Computer Science**, University of Kent 2019-2025
- **MSc in Computer Engineering**, TOBB University of Economics and Technology 2017-2019
- **BSc in Computer Engineering**, Middle East Technical University 2012-2017

Publications

1. Enes Altuncu, Shujun Li, Jason R. C. Nurse (2026). **Misinformation**. The Palgrave Encyclopedia of Cyberpsychology. https://doi.org/10.1007/978-3-031-52643-5_153-1
2. Enes Altuncu (2026). **Triple Trouble: Rethinking the Framing of Problematic Information**. Journal of Documentation. https://doi.org/10.1108/JD-01-2026-0057
3. Enes Altuncu (2026). **FACTurk: Insights into the Turkish Fact-Checking Ecosystem via a New Dataset**. Proceedings of the 34th Conference on Signal Processing and Communications Applications (SIU '26).
4. Enes Altuncu, Jason R. C. Nurse, Yang Xu, Jie Guo, Shujun Li (2025). **Improving Performance of Automatic Keyword Extraction (AKE) Methods Using PoS Tagging and Enhanced Semantic-Awareness**. Information. https://doi.org/10.3390/info16070601
5. Enes Altuncu, Can Başkent, Sanjay Bhattacherjee, Shujun Li, Dwaipayan Roy (2025). **FACTors: A New Dataset for Studying Fact-checking Ecosystem**. Proceedings of the 48th International ACM SIGIR Conference on Research and Development in Information Retrieval (SIGIR '25), July 13–18, 2025, Padua, Italy. https://doi.org/10.1145/3726302.3730339
6. Enes Altuncu (2025). **Fact-Checking Ecosystem: From Modelling to Semi-Automated Stakeholder-Based Detection of False Information**. https://doi.org/10.22024/UniKent/01.02.108725
7. Enes Altuncu, Virginia N. L. Franqueira, Shujun Li (2024). **Deepfake: definitions, performance metrics and standards, datasets, and a meta-review**. Frontiers in Big Data. https://doi.org/10.3389/fdata.2024.1400024
8. Rahime Belen-Saglam, Enes Altuncu, Yang Lu, Shujun Li (2023). **A systematic literature review of the tension between the GDPR and public blockchain systems**. Blockchain: Research and Applications. https://doi.org/10.1016/j.bcra.2023.100129
9. Enes Altuncu, Jason R.C. Nurse, Meryem Bagriacik, Sophie Kaleba, Haiyue Yuan, Lisa Bonheme, Shujun Li (2023). **aedFaCT: Scientific Fact-Checking Made Easier via Semi-Automatic Discovery of Relevant Expert Opinions**. Workshop Proceedings of the 17th International AAAI Conference on Web and Social Media. https://doi.org/10.36190/2023.27

10. Yang Xu, Jie Guo, Weidong Qiu, Zheng Huang, Enes Altuncu, Shujun Li (2022). **"Comments Matter and The More The Better!": Improving Rumor Detection with User Comments**. 2022 IEEE International Conference on Trust, Security and Privacy in Computing and Communications (TrustCom). https://doi.org/10.1109/TrustCom56396.2022.00060
11. Haiyue Yuan, Enes Altuncu, Shujun Li, Can Baskent (2022). **Graphical Models of False Information and Fact Checking Ecosystems**. arXiv preprint.
12. Keenan Jones, Enes Altuncu, Virginia N. L. Franqueira, Yichao Wang, Shujun Li (2022). **A Comprehensive Survey of Natural Language Generation Advances from the Perspective of Digital Deception**. arXiv preprint.
13. Muharrem Ugur Aksu, Enes Altuncu, Kemal Bicakci (2019). **A first look at the usability of OpenVAS vulnerability scanner**. Proceedings of the 2019 Workshop on Usable Security (USEC '19). https://doi.org/10.14722/usec.2019.23026
14. Enes Altuncu (2019). **Developing a Secure Messaging Application that Eliminates Authentication Ceremony by Using Blockchain**.
15. Kemal Bicakci, Enes Altuncu, Muhammet Sakir Sahkulubey, Hakan Ezgi Kiziloz, Yusuf Uzunay (2018). **How Safe Is Safety Number? A User Study on SIGNAL's Fingerprint and Safety Number Methods for Public Key Verification**. Proceedings of the 21st International Conference onInformation Security (ISC '18), (LNCS 11060). https://doi.org/10.1007/978-3-319-99136-8_5
16. Enes Altuncu, Burak Kaan Bilgehan, Yavuz Selim Kartal, Sercan Kizilgunes, Mahdi Saeedi Nikoo, Halit Oguztuzun (2017). **Blocks and text integration in a language-based editor for a domain-specific language**. Proceedings of the 2017 International Conference on Computer Science and Engineering (UBMK). https://doi.org/10.1109/UBMK.2017.8093484

Research Projects

- **Digital Data Deception Techwatch Newsletters** 2020-2022
  Regular newsletters on digital data deception technologies. *Funder: Defence Science and Technology Laboratory (DSTL), UK Ministry of Defence*
- **BlockSignal (MSc Thesis Project)** 2017-2019
  A Signal-based secure messaging application eliminating authentication ceremony by leveraging blockchain.
- **Sparkly (BSc Graduation Project)** 2016-2017
  A web-based programming editor supporting text-based and block-based coding for SparkS domain-specific language. Commercialised by Cal Lab Solutions under the name of "Metrology Blocks". Awarded with a 3rd place in TUBITAK University Software Projects Competition in 2017.

Teaching

- **BIMU3926 - Software Testing and Quality**, Istanbul University-Cerrahpaşa Spring 2026
- **BIMU4037 - Advanced Algorithm Analysis**, Istanbul University-Cerrahpaşa Spring 2026
- **BIMU4085 - Web Engineering**, Istanbul University-Cerrahpaşa Spring 2026
- **ELMU1063 - Introduction to Computers and Programming**, Istanbul University-Cerrahpaşa Fall 2025
- **MEMM1920 - Fundamentals of Computer and Introduction to Programming**, Istanbul University-Cerrahpaşa Fall 2025
- **BIMU4075 - Parallel and Distributed Systems**, Istanbul University-Cerrahpaşa Fall 2025

Academic and Professional Roles

- **Lecturer with Doctorate**, Istanbul University-Cerrahpaşa 2025-present
- **Reviewer**, 34th Conference on Signal Processing and Communications Applications (SIU 2026)
- **Program Committee Member**, 4th Multidisciplinary Symposium on Disinformation in Open Online Media (MISDOOM '22)
- **Program Committee Member**, 5th Multidisciplinary Symposium on Disinformation in Open Online Media (MISDOOM '23)
- **Reviewer**, 1st IEEE International Conference on Medical Artificial Intelligence (MedAI '23)
- **Reviewer**, Information Processing & Management
- **Reviewer**, Forensic Science International: Digital Investigation
- **Reviewer**, IEEE Transactions on Technology and Society
- **Reviewer**, Digital Threats: Research and Practice

- **Reviewer**, European Journal of Law and Economics
- **Reviewer**, Social Sciences & Humanities Open
- **Reviewer**, Computers & Security
- **Student Volunteer**, The 15th International Conference on Web and Social Media (ICWSM '21)
- **Blue Team Member**, Locked Shields Partners Run 2019

Honours and Awards

- **Honorary Membership**, Institute of Cyber Security for Society (iCSS), University of Kent 2025-present
- **PhD Scholarship**, The Ministry of National Education, Republic of Türkiye 2019-2023
- **Award - Third Place**, TUBITAK 2242 University Software Projects Competition 2017

Selected Research Venues

Selected conferences, journals, and workshops relevant to this research agenda.

- ACM Conference on Computer and Communications Security (CCS)
- USENIX Security Symposium
- ACM SIGIR Conference on Research and Development in Information Retrieval
- EUSSET Conference on Computer-Supported Cooperative Work (ECSCW)
- Annual Meeting of the Association for Computational Linguistics (ACL)
- IEEE Security & Privacy Symposium (S&P)
- Network and Distributed System Security (NDSS) Symposium
- Conference on Sociotechnical Cybersecurity and Privacy (SCP)
- ACM International Conference on Information and Knowledge Management (CIKM)
- ACM KDD Conference on Knowledge Discovery and Data Mining
- ACM Conference on Human Factors in Computing Systems (CHI)
- International AAAI Conference on Web and Social Media (ICWSM)
- European Conference on Information Retrieval (ECIR)
- IEEE European Symposium on Security and Privacy (EuroS&P)
- ACM Web Conference
- European Chapter of the ACL (EACL)
- ACM Transactions on Information Systems
- Journal of Data and Information Quality
- ACM Transactions on Privacy and Security
- ACM Transactions on Social Computing
- Harvard Kennedy School Misinformation Review
- Journal of Online Trust & Safety
- Transactions of the Association for Computational Linguistics
- Misinformation Studies
- Disinformation: An Interdisciplinary Journal
- Workshop on Reducing Online Misinformation through Credible Information Retrieval (ROMCIR)
- Fact Extraction and VERification Workshop (FEVER)
- MEDIATE Workshop
- International Workshop on Cyber Social Threats (CySoc)