



Mohsen Toorani

Associate Professor of Cybersecurity, Ph.D., SMIEEE

Objective To collaborate on national, international, and EU projects in cybersecurity. Potential topics include:

- Cryptographic Protocols and Primitives
- Blockchain and Distributed Systems Security
- Decentralized Identity Management and Digital Sovereignty
- Security and Privacy in Healthcare Systems and Critical Infrastructures
- 5G/6G and Cloud Security and Privacy

Work Experience

2021 – Now, University of South-Eastern Norway

Department of Science and Industry Systems, Kongsberg, Norway
Associate Professor of Cybersecurity

2019 – 2021, Lund University

Department of Electrical and Information Technology, Lund, Sweden
Postdoctoral Research Fellow in Information Security

2016 – 2019, University of Bergen & Simula@UiB (in collaboration with NTNU)

Department of Informatics, Bergen, Norway
Postdoctoral Research Fellow in Cryptography

2011-2015, University of Bergen

Department of Informatics, Bergen, Norway
Research Fellow (Ph.D. in Information Security)

Ongoing Projects

1/2025–12/2028, Cybersecurity for Critical Infrastructures (CY4CI)

Funded by: HK-Dir , 3.75 M NOK
Project owner: USN, Role: Principal Investigator and Project Leader

4/2026–4/2030, Understanding Threats and Optimizing mitigation, and enabling Privacy-by-design in AI (UTOPIA)

Funded by: Research Council of Norway, 12 M NOK
Project owner: NSE, Role: Workpackage Leader for WP2 (Threat Modeling)

5/2022–4/2028, Co-created Health Technology (CoTechH)

Funded by: Research Council of Norway & companies, 58 M NOK
Project owner: USN, Role: Workpackage Leader for *Digital Security and Privacy*

9/2024–6/2026, The path to artificial intelligence in clinical neurophysiology (VIKING)

Funded by: Stiftelsen Dam, 1.77 M NOK
Project owner: Hjerneverket, Role: Project team member

Previous Projects

1/2024–12/2024, Decentralized secure and privacy-preserving sharing of health data (De-Helse)

Funded by: RFF Vestfold and Telemark, 400 K NOK
Project owner: USN, Role: Principal Investigator and Project Leader

2020–2021, Blockchain-powered open sharing platform for collaborative drug discovery

Funded by Vinnova (Sweden's innovation agency), 2 M SEK
Project owner: Lund University, Role: Project Collaborator

2019–2021, EU CloudiFacturing

Funded by EU H2020
Project owner: Lund University, Role: Project Team Member

2019–2021, Cybersecurity for Next Generation Factory

Funded by Swedish Foundation for Strategic Research (SSF), 23 M SEK
Project owner: Lund University, Role: Project Team Member

2019–2021, SMARTY: Secure Software Update Deployment for the Smart City

Funded by Swedish Foundation for Strategic Research (SSF), 22 M SEK
Project owner: Lund University, Role: Project Team Member

2016–2019, Cryptographic Tools for Cloud Security

Funded by Research Council of Norway (IKTPLUS), 11 M NOK
Project owner: NTNU & University of Bergen, Role: Project Team Member

Other Information

- Over 16 years of experience in research and education
- Author of 40+ publications
- Extensive teaching and supervision experience in Cybersecurity and Cryptography
- Editorial Board Member for 3 Journals
- Invited Reviewer for 25+ Journals
- Member of Technical Program Committee in 20+ conferences & workshops
- Senior Member of IEEE, Member of IACR
- Best Paper Awards: ProvSec'18, ISCC'08

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Research Interests

- Cybersecurity
- Cryptography
- Security Protocols
- Distributed Systems Security

More information

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Google Scholar

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