

Prof. Dr. Alexander Lawall

IU International University of Applied Sciences

Email: alexander.lawall@iu.org



Research Focus and Academic Background

Alexander Lawall is a Professor of Cyber Security and Program Director of the bachelor's and master's degree programs in Cyber Security and Cyber Security Management at IU International University of Applied Sciences. His research focuses on cyber security, information security management, threat intelligence, artificial intelligence, cryptography, and privacy-enhancing technologies.

He combines scientific depth with practical expertise based on professional experience in both academia and industry. Before joining academia full-time, he served as Head of Information Security Management at the REHAU Group, where he developed and managed global strategies for ISO 27001-certified information security systems, cloud security, and industrial IT protection.

He received his doctorate from TU Dresden for his dissertation focusing on formal languages and metamodels for organizational models in the context of cyber security. His scholarly output exceeds 100 peer-reviewed publications, covering, e.g., formal access control models, AI in cyber security, AI-driven threat analysis, and cyber-resilience strategies for critical infrastructures.

Contributions to IARIA and Scientific Achievements

Prof. Lawall has been an active member of the International Academy, Research, and Industry Association (IARIA). Over recent years, his strong engagement has been reflected through several Best Paper Awards and leadership roles within the organization.

Selected IARIA-recognized works include:

- *Quantifying Persuasion – A Comparative Analysis of Cialdini's Principles in Phishing Attacks* (SECURWARE 2025)
- *Cybersecurity in Civil Aviation – Threat Landscape and Vulnerability Assessment of Attack Vectors* (IoT-AI 2025)
- *Retrieval Performance in RAG Systems: A Component-Level Evaluation Framework* (GPTMB 2025)
- *Fingerprinting and Tracing Shadows – The Development and Impact of Browser Fingerprinting on Digital Privacy* (SECURWARE 2024)

Additionally, he has delivered multiple keynote speeches at IARIA conferences and serves as, e.g., Conference Committees Board Chair, Open Access Promotion Board Chair, Steering Committee Member for SECURWARE and IoT-AI, Editor and Co-Editor of conference proceedings. Through these roles, he promotes open science, reproducibility, and knowledge sharing across the IARIA community.

Date: October 2025