

Publikationen

Martin Schramm, D. Fiala, Laurin Dörr, Michael Heigl (2019): On the Energy Consumption of Quantum-resistant Cryptographic Software Implementations Suitable for Wireless Sensor Networks. In: Proceedings of the 16th International Joint Conference on e-Business and Telecommunications (July 26-28, 2019; Prague, Czech Republic), vol. Vol. 2 (SECRYPT 2019 : 16th International Conference on Security and Cryptography). DOI: 10.5220/0007835600720083.

Martin Schramm, D. Fiala, Laurin Dörr, Michael Heigl (2019): Comparison of Energy-Efficient Key Management Protocols for Wireless Sensor Networks. In: Proceedings of the 2019 International Electronics Communication Conference (IECC '19) [July 7-9, 2019; Okinawa, Japan]. DOI: 10.1145/3343147.3343156.

Martin Schramm, D. Fiala, Michael Heigl (2019): A Lightweight Quantum-Safe Security Concept for Wireless Sensor Network Communication. In: Proceedings of the IEEE Annual International Conference on Pervasive Computing and Communications Workshops (March 11-15, 2019; Kyoto, Japan). DOI: 10.1109/PERCOMW.2019.8730749.

Nicolas Tiefnig, Martin Schramm, D. Fiala, Laurin Dörr, Michael Heigl (2019): A Resource-Preserving Self-Regulating Uncoupled MAC Algorithm to be Applied in Incident Detection. In: Computers & Security, vol. 85, no. August, pp. 270-285. DOI: 10.1016/j.cose.2019.05.010.

Martin Schramm, R. Dojen, Michael Heigl (2018): A Vendor-Neutral Unified Core for Cryptographic Operations in GF(p) and GF(2^m) Based on Montgomery Arithmetic (Article ID 4983404). In: Security and Communication Networks, no. 9, pp. 1-18. DOI: 10.1155/2018/4983404.

Martin Schramm, D. Fiala, Amar Almaini, Laurin Dörr, Michael Heigl (2018): Incident Reaction Based on Intrusion Detections' Alert Analysis. In: Proceedings of the 23rd International Conference on Applied Electronics (AE) 2018 (University of West Bohemia, Pilsen, Czech Republic; September 11-12, 2018). DOI: 10.23919/AE.2018.8501419.

Karl Leidl, Robert Hable, Michael Fernandes, Nari Arunraj, Michael Heigl (2017): Comparison of Supervised, Semi-supervised and Unsupervised Learning Methods in Network Intrusion Detection Systems (NIDS) Application. In: Anwendungen und Konzepte in der Wirtschaftsinformatik (AKWI), no. 6, pp. 10-19.

Martin Schramm, R. Dojen, Michael Heigl (2017): Experimental assessment of FIRO- and GARO-based noise sources for digital TRNG designs on FPGAs. In: Proceedings of the 22nd International Conference on Applied Electronics (AE 2017) [Sep 5-7, 2017; University of West Bohemia, Pilsen, Czech Republic]. DOI: 10.23919/AE.2017.8053618.

Martin Schramm, D. Fiala, Laurin Dörr, Michael Heigl (2017): Assessment simulation model for uncoupled message authentication. In: Proceedings of the 22nd International Conference on Applied Electronics (AE 2017) [Sep 5-7, 2017; University of West Bohemia, Pilsen, Czech Republic]. DOI: 10.23919/AE.2017.8053580.

Andreas Grzemba, Martin Schramm, Laurin Dörr, Michael Heigl (2016): Embedded Plug-In Devices to Secure Industrial Network Communications. In: IEEE Proceedings of the 21st International Conference on Applied Electronics (Sept 6-7 2016, Pilsen, Czech Republic).

Andreas Fuchs, Andreas Grzemba, Martin Aman, Michael Heigl (2016): Industrial Legacy System Communication Through Interconnected Embedded Plug-In Devices. In: Applied Research Conference 2016.

Michael Heigl: DecADE - Decentralized Anomaly Detection. Posterpräsentation. In: 5. Tag der Forschung, Deggenndorf.

Andreas Grzemba, Christian Boiger, Laurin Dörr, Michael Heigl: IT-Security-Architektur für Next-Generation Kommunikationssysteme im Automobil. In: 32. VDI/VW-Gemeinschaftstagung: Fahrerassistenzsysteme und automatisiertes Fahren, Wolfsburg.

Andreas Grzemba, Martin Aman, Karl Leidl, Michael Heigl: Intrusion Detection Sensoren für industrielle Netzwerke.
In: CYBICS - Cyber Security for Industrial Control Systems (Workshop & Konferenz für IT-Sicherheit in der Industrie),
Würzburg.

