

Fikret Basic
Technische Universität Graz
Institut für Technische Informatik (4480)



Organisationszugehörigkeiten

Technische Universität Graz
Institut für Technische Informatik (4480)
Technische Universität Graz (90000)
Graz, Österreich
1 Okt. 2023 → present

Veröffentlichungen

Secure Data Acquisition for Battery Management Systems

Basic, F., Seifert, C., Steger, C. & Kofler, R., 5 Sept. 2023, (Angenommen/In Druck) *2023 26th Euromicro Conference on Digital System Design (DSD)*. IEEE Xplore, 8 S.

Enabling Secure and Wireless Battery Management Systems

Basic, F., Aug. 2023, 231 S.

Trust your BMS: Designing a Lightweight Authentication Architecture for Industrial Networks

Basic, F., Steger, C., Seifert, C. & Kofler, R., Jan. 2023, *2022 IEEE International Conference on Industrial Technology (ICIT)*. 6 S.

Establishing Dynamic Secure Sessions for ECQV Implicit Certificates in Embedded Systems

Basic, F., Steger, C. & Kofler, R., 2023, *2023 Design, Automation and Test in Europe Conference and Exhibition, DATE 2023 - Proceedings*. 6 S.

Wireless BMS Architecture for Secure Readout in Vehicle and Second life Applications

Basic, F., Laube, C. R., Stratznig, P., Steger, C. & Kofler, R., 2023, *2023 8th International Conference on Smart and Sustainable Technologies, SpliTech 2023*. Solic, P., Nizetic, S., Rodrigues, J. J. P. C., Rodrigues, J. J. P. C., Rodrigues, J. J. P. C., Lopez-de-Ipina Gonzalez-de-Artaza, D., Perkovic, T., Catarinucci, L. & Patrono, L. (Hrsg.). Institute of Electrical and Electronics Engineers

A Novel Secure NFC-based Approach for BMS Monitoring and Diagnostic Readout

Basic, F., Laube, C. R., Steger, C. & Kofler, R., 19 Mai 2022, *2022 IEEE International Conference on RFID, RFID 2022*. ACM/IEEE, S. 23-28 6 S. 9795979

Poster: Establishing Dynamic Secure Sessions for Intra-Vehicle Communication Using Implicit Certificates

Basic, F., Steger, C. & Kofler, R., 2022.

Secure and Trustworthy NFC-based Sensor Readout for Battery Packs in Battery Management Systems

Basic, F., Gaertner, M. & Steger, C., 2022, in: *IEEE Journal of Radio Frequency Identification*. 6, S. 637-648 12 S., 9763024.

Embedded Platform Patterns for Distributed and Secure Logging

Basic, F., Steger, C. & Kofler, R., 2021, *Proceedings of the European Conference on Pattern Languages of Programs, EuroPLoP 2021*. Graz, Austria: Association of Computing Machinery, 9 S. 27. (ACM International Conference Proceeding Series).

Towards Trustworthy NFC-based Sensor Readout for Battery Packs in Battery Management Systems

Basic, F., Gärtner, M. & Steger, C., 2021, *2021 IEEE International Conference on RFID Technology and Applications, RFID-TA 2021*. Delhi, India: IEEE Publications, Band 11. S. 285-288 4 S. (2021 IEEE International Conference on RFID Technology and Applications, RFID-TA 2021).

Multi-Layered IoT System Design Towards End-to-End Secure Communication

Rech, A., Gressl, L. A., Basic, F., Steger, C., Sinnhofer, A. D. & Seifert, C., 18 Okt. 2020, *Proceedings - IECON 2020: 46th Annual Conference of the IEEE Industrial Electronics Society*. S. 2213-2220 8 S. 9254556. (IECON Proceedings (Industrial Electronics Conference); Band 2020-October).

SimPar - A Concurrent Simulation System for Evaluation of Power-Aware Smart Sensors

Basic, F., Okt. 2018, 117 S.

Aktivitäten

AVL Hans List Fonds Preis Award Ceremony

Fikret Basic (Redner/-in)
16 Okt. 2023

Didaktik-Werkstatt 2023 Get Together

Fikret Basic (Redner/-in)
16 Okt. 2023

Rigorosum - Enabling Secure and Wireless Battery Management Systems

Fikret Basic (Redner/in)
25 Sept. 2023

Secure Data Acquisition for Battery Management Systems

Fikret Basic (Redner/in)
7 Sept. 2023

26th Euromicro Conference on Digital System Design (DSD) and 49th Euromicro Conference Series on Software Engineering and Advanced Applications (SEAA)

Fikret Basic (Vorsitzende/r)
6 Sept. 2023 → 8 Sept. 2023

Wireless BMS Architecture for Secure Readout in Vehicle and Second life Applications

Fikret Basic (Redner/in)
22 Juni 2023

8th International Conference on Smart and Sustainable Technologies

Fikret Basic (Teilnehmer/-in)
20 Juni 2023 → 23 Juni 2023

Establishing Dynamic Secure Sessions for ECQV Implicit Certificates in Embedded Systems

Fikret Basic (Redner/in)
18 Apr. 2023

Design, Automation & Test in Europe Conference & Exhibition

Fikret Basic (Teilnehmer/-in)
17 Apr. 2023 → 19 Apr. 2023

Didaktik Werkstatt 2023: Ein Fortbildungsprogramm der Steirischen Hochschulkonferenz zur Hochschuldidaktik
Fikret Basic (Teilnehmer/-in)
5 Feb. 2023 → 15 Juni 2023

Poster: Establishing Dynamic Secure Sessions for Intra-Vehicle Communication Using Implicit Certificates
Fikret Basic (Redner/in)
4 Okt. 2022 → 5 Okt. 2022

Trust your BMS: Designing a Lightweight Authentication Architecture for Industrial Networks
Fikret Basic (Redner/in)
25 Aug. 2022

Higher Education Didactics 1: Basics of Teaching and Learning
Fikret Basic (Teilnehmer/-in)
4 Juli 2022 → 5 Juli 2022

A Novel Secure NFC-based Approach for BMS Monitoring and Diagnostic Readout
Fikret Basic (Redner/in)
18 Mai 2022

2021 IEEE International Conference on RFID Technology and Applications (RFID-TA)
Fikret Basic (Redner/in)
8 Okt. 2021

EuroPLoP'21: 26th European Conference on Pattern Languages of Programs
Fikret Basic (Redner/in)
7 Juli 2021 → 11 Juli 2021

Auszeichnungen

AVL Hans List Fonds Preis 2023
Basic, Fikret (Empfänger/-in), Okt. 2023

Best Paper Presentation Award
Basic, Fikret (Empfänger/-in), 25 Aug. 2022

ITalent South-East 2018
Basic, Fikret (Empfänger/-in), 2018

Zertifikat für abgeschlossene Didaktik-Werkstatt 2023 für Hochschullehrende
Basic, Fikret (Empfänger/-in), 16 Okt. 2023

Presse/Medien

Gost: Fikret Bašić, Kladuščanin je koji živi i radi u Austriji (Guest: Fikret Bašić, a native of Kladuša who lives and works in Austria)
Fikret Basic
7/11/23
1 Objekt von Medienberichte

Kleine Zeitung: Lockruf für den IT-Nachwuchs
Fikret Basic
14/05/19
1 Objekt von Medienberichte

Projekte

Hardware/Software-Codesign

Steger, C., Seifert, C., Stelzer, P., Fiala, G. & Basic, F.
1/01/95 → ...

Intelligent & Networked Embedded Systems

Boano, C. A., Römer, K. U., Schuß, M., Cao, N., Saukh, O., Hofmann, R., Stocker, M., Schuh, M. P., Papst, F., Salomon, E., Brunner, H., Gallacher, M., Mohamed Hydher, M. H., Wang, D., Corti, F., Krisper, M., Basic, F. & Petrovic, K.
1/09/13 → ...

OPEVA - Optimierung der Autonomie von Elektrofahrzeugen

Steger, C., Basic, F., Bürgel, V., Eder, P., Macher, G. & Finsterbusch, A.
1/01/23 → 31/12/25

Smart GigaWood - Innovativer digitalisierter Hochleistungswagon für Holz und weitere KV Module

Steger, C., Basic, F. & Feldbacher, M.
1/04/18 → 31/03/20

SPiDR - Sichere, leistungsfähige, zuverlässige und widerstandsfähige drahtlose Mesh-Netzwerke

Römer, K. U., Schuß, M., Boano, C. A., Gallacher, M., Schuh, M. P. & Basic, F.
1/07/21 → 31/12/24

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