

LISTA DE LUCRĂRI

Conf. univ. dr. ing. abil. GENGE Béla

A1. Teza de doctorat

- Doctor în Știința Calculatoarelor – perioada: 2005-2009
- Facultatea Automatică și Calculatoare; Universitatea Tehnică din Cluj-Napoca
- **Coordonator științific:** Prof. Univ. Dr. Ing. Iosif Ignat
- **Titlul tezei de doctorat:** Contribuții la compunerea și implementarea protocoalelor de securitate
- Susținută la: **22 Mai 2009**
- **Confirmare:** OMEdC 4698/14 August 2009

A2. Teza de abilitare

- Atestat de abilitare în domeniul de studii universitare de doctorat *Informatică*.
- Facultatea de Matematică și Informatică, Universitatea Babeș-Bolyai, Cluj-Napoca
- **Titlul tezei de abilitare:** Contributions to improving the cyber security and resilience of networked critical infrastructures
- Susținută la: **23 Iunie 2016**
- **Confirmare:** OMEdC 5961/8 Decembrie 2016

B. Cărți și capitole din cărți publicate

B1. Cărți de specialitate

- [1] **B. Genge:** *Introducere în implementarea aplicațiilor criptografice*. Editura Univ. "Petru Maior", Târgu Mureș, 2013, 190 pagini, ISBN 978-606-581-094-5.
- [2] A.V. Duka, **B. Genge**, P. Haller: *Sisteme cu microprocesoare. Microcontrolerul PIC 18F4455*. Editura Univ. "Petru Maior", Târgu Mureș, 2013, 305 pagini, ISBN 978-973-7794-99-4.
- [3] **B. Genge**, P. Haller: *Proiectarea sistemelor dedicate si incorporate cu microcontrolerul PIC*. Editura Univ. "Petru Maior", Târgu Mureș, 2008, 188 pagini, ISBN 978-973-7794-79-6.

B2. Capitole publicate în volume colective

- [1] P. Haller, **B. Genge**, A. Duka: *Engineering Edge Security in Industrial Control Systems*, Critical Infrastructure Security and Resilience. Springer, Cham, pp. 185-200, 2019, ISBN 978-3-030-00023-3.
- [2] A.-V. Duka, **B. Genge**, P. Haller, B. Crainicu: *Enforcing End-To-End Security With Application-Level Cryptography in SCADA Systems*, Eleventh Annual IFIP Working Group 11.10 International Conference on Critical Infrastructure Protection, Arlington, Virginia, USA, March 13-15. In: Rice M., Sheno S. (eds) Critical Infrastructure Protection XI. ICCIP 2017. IFIP Advances in Information and Communication Technology, vol 512. Springer, Cham, pp. 139-155, 2017, ISBN 978-3-319-70394-7.
- [3] H. Sandor, **B. Genge**, P. Haller, F. Graur: *Software Defined Response and Network Reconfiguration for Industrial Control Systems*, Eleventh Annual IFIP Working Group 11.10 International Conference on Critical Infrastructure Protection, Arlington, Virginia, USA, March 13-15, In: Rice M., Sheno S. (eds) Critical Infrastructure Protection XI. ICCIP 2017. IFIP Advances in Information and Communication Technology, vol 512. Springer, Cham, pp. 157-173, 2017, ISBN 978-3-319-70394-7.
- [4] **B. Genge**, H. Sandor, P. Haller, A. Beres, I. Kiss: *Using Software Defined Networking to Mitigate Cyber Attacks in Industrial Control Systems*. Securing Cyber-Physical Systems, CRC Press, Taylor & Francis, USA, pp. 305-330, 2015, (Invited Book Chapter), ISBN 978-1-4987-0099-3.
- [5] C. Siaterlis, **B. Genge**, M. Hohenadel, M. Del Pra: *Enabling the Experimental Exploration of Operating Procedures in Critical Infrastructures*. Sixth Annual IFIP WG 11.10 International Conference on Critical Infrastructure Protection, Marshall Hall, National Defense University, Fort McNair, Washington, DC, Critical Infrastructure Protection VI, Springer, pp. 217-233, 2012, ISBN 978-3-642-24863-4.
- [6] **B. Genge**, I. Nai Fovino, C. Siaterlis, M. Masera: *Analyzing Cyber-Physical Attacks on Networked Industrial Control Systems*. Hannover, New Hampshire, USA, 5th IFIP WG 11.10 International Conference on Critical Infrastructure Protection, IFIP Advances in Information and Communication Technology, Critical Infrastructure Protection V, Vol. 367, Revised Selected Papers, Springer, pp. 167-183, 2011, ISBN 978-3-642-35763-3.
- [7] **B. Genge**, P. Haller, O. Ratoi: *Constructing Security Protocol Specifications for Web Services*. C. Badica et al. (Eds.), Intelligent Distributed Computing, Italy, Appears in Studies In Computational Intelligence, Springer-Verlag Berlin Heidelberg, Sept. 2008, Volume 162/2008, pp. 245-250, 2008, ISBN 978-3-540-85257-5.

C. Articole științifice publicate în reviste și conferințe de specialitate indexate ISI/BDI

C1. Articole publicate în reviste indexate ISI Web of Science

- [1] **B. Genge**, P. Haller, A. Duka: *Engineering security-aware control applications for data authentication in smart industrial cyber-physical systems*, Future Generation Computer Systems, Volume 91, pp. 206-222, 2019, <https://doi.org/10.1016/j.future.2018.09.001>, FI: 5.768.

- [2] P. Haller, **B. Genge**, A. Duka: *On the practical integration of anomaly detection techniques in industrial control applications*, International Journal of Critical Infrastructure Protection, Volume 24, pp. 48-68, 2019, <https://doi.org/10.1016/j.ijcip.2018.10.008>, FI: 2.15.
- [3] **B. Genge**, P. Haller, C. Enachescu: *Anomaly detection in aging Industrial Internet of Things*, IEEE Access, vol. 7, pp. 74217-74230, 2019, 10.1109/ACCESS.2019.2920699, FI: 4.098.
- [4] H. Sándor, **B. Genge**, Z. Szántó, L. Márton, P. Haller, *Cyber attack detection and mitigation: Software Defined Survivable Industrial Control Systems*, International Journal of Critical Infrastructure Protection, Volume 25, pp. 152-168, 2019, <https://doi.org/10.1016/j.ijcip.2019.04.002>, FI: 2.15.
- [5] **B. Genge**, P. Haller, A.V. Duka, H. Sándor, *A lightweight key generation scheme for end-to-end data authentication in Industrial Control Systems*, at-Automatisierungstechnik 67 (5), pp. 417-428, 2019, <https://doi.org/10.1515/auto-2019-0017>, FI: 0.500.
- [6] **B. Genge**, P. Haller, C.D. Dumitru, C. Enachescu: *Designing Optimal and Resilient Intrusion Detection Architectures for Smart Grids*, IEEE Transactions on Smart Grid, vol. 8, no. 5, pp. 2440 – 2451, 2017, 10.1109/TSG.2017.2665654, FI: 7.365.
- [7] P. Haller, **B. Genge**: *Using Sensitivity Analysis and Cross-Association for the Design of Intrusion Detection Systems in Industrial Cyber-Physical Systems*, IEEE Access, vol. 5, pp. 9336-9347, 2017, 10.1109/ACCESS.2017.2703906, FI: 3.557.
- [8] **B. Genge**, P. Haller, I. Kiss: *Cyber Security-Aware Network Design of Industrial Control Systems*, IEEE Systems Journal, IEEE Systems Council, pp. 1373 – 1384, 2017, 10.1109/JSYST.2015.2462715, FI: 4.337.
- [9] **B. Genge**, C. Enachescu: *ShoVAT: Shodan-based vulnerability assessment tool for Internet-facing services*, Security and communication networks, Wiley, vol. 9, no. 15, pp. 2696-2714, 2016, <https://doi.org/10.1002/sec.1262>, FI: 1.067.
- [10] **B. Genge**, P. Haller, I. Kiss: *A Framework for Designing Resilient Intrusion Detection Systems for Critical Infrastructures*, International Journal of Critical Infrastructure Protection, Elsevier, vol. 15, pp. 3-11, 2016, <https://doi.org/10.1016/j.ijcip.2016.06.003>, FI: 1.500.
- [11] **B. Genge**, F. Graur, P. Haller: *Experimental Assessment of Network Design Approaches for Protecting Industrial Control Systems*, International Journal of Critical Infrastructure Protection, Elsevier, vol. 11, pp. 24-38, 2015, <https://doi.org/10.1016/j.ijcip.2015.07.005>, FI: 1.351.
- [12] **B. Genge**, I. Kiss, P. Haller: *A system dynamics approach for assessing the impact of cyber attacks on critical infrastructures*, International Journal of Critical Infrastructure Protection, Elsevier, vol. 10, pp. 3-17, 2015, <https://doi.org/10.1016/j.ijcip.2015.04.001>, FI: 1.351.
- [13] C. Siaterlis, **B. Genge**: *Cyber-physical testbeds*, Communications of the ACM, Vol. 57, No. 6, pp. 64-73, June 2014, <https://doi.org/10.1145/2602575>, FI: 3.621.

- [14] **B. Genge**, C. Siaterlis: *Physical process resilience-aware network design for SCADA systems*, Computers & Electrical Engineering, Elsevier, vol. 40, no. 1, pp. 142-157, 2014, <https://doi.org/10.1016/j.compeleceng.2013.11.018>, FI: 0.817.
- [15] C. Siaterlis, **B. Genge**, M. Hohenadel: *EPIC: A testbed for scientifically rigorous cyber-physical security experimentation*, IEEE Transactions on Emerging Topics in Computing, vol. 1, no. 2, pp. 319-330, 2013, 10.1109/TETC.2013.2287188, FI: 3.826.
- [16] **B. Genge**, C. Siaterlis: *Analysis of the Effects of Distributed Denial-of-Service Attacks on MPLS Networks*, International Journal of Critical Infrastructure Protection, Elsevier, vol. 6, no. 2, pp. 87-95, 2013, <https://doi.org/10.1016/j.ijcip.2013.04.001>, FI: 1.000.
- [17] C. Siaterlis, A. Perez-Garcia, **B. Genge**: *On the use of Emulab testbeds for scientifically rigorous experiments*, IEEE Communications Surveys and Tutorials, vol. 15, no. 2, pp. 929-942, 2013, 10.1109/SURV.2012.0601112.00185, FI: 6.490.
- [18] **B. Genge**, C. Siaterlis, M. Hohenadel: *Impact of Network Infrastructure Parameters to the Effectiveness of Cyber Attacks Against Industrial Control Systems*, International Journal of Computers Communications & Control, vol. 7, no. 4, pp. 673-686, 2012, <https://doi.org/10.15837/ijccc.2012.4.1366>, FI: 0.441.
- [19] **B. Genge**, C. Siaterlis, I. Nai Fovino, M. Masera: *A Cyber-Physical Experimentation Environment for the Security Analysis of Networked Industrial Control Systems*, Computers & Electrical Engineering, Elsevier, vol. 38, no. 5, pp. 1146-1161, 2012, <https://doi.org/10.1016/j.compeleceng.2012.06.015>, FI: 0.928.

C2. Articole în extenso publicate în conferințe indexate ISI Web of Knowledge

- [1] **B. Genge**, P. Haller, H. Sandor, PROTECT-G: *Protection of Communications in Natural Gas Transportation Systems*, 6th International Symposium on Digital Forensic and Security (ISDFS), Antalya, Turkey, pp. 1-6, 2018.
- [2] A.-V. Duka, **B. Genge**, P. Haller, *Enabling Authenticated Data Exchanges in Industrial Control Systems*, 6th International Symposium on Digital Forensic and Security (ISDFS), Antalya, Turkey, pp. 1-6, 2018.
- [3] A.-V. Duka, **B. Genge**: *Implementation of SIMON and SPECK lightweight block ciphers on programmable logic controllers*, 2017 5th International Symposium on Digital Forensic and Security (ISDFS), Tirgu Mures, Romania, pp. 1-6, 2017.
- [4] **B. Genge**, P. Haller: *A Hierarchical Control Plane for Software-Defined Networks-based Industrial Control Systems*, IEEE/IFIP Networking, Vienna, Austria, pp. 73-81, 2016.
- [5] **B. Genge**, I. Kiss, P. Haller, C. Siaterlis: *Generating High Quality Data for the Protection of Modern Critical Infrastructures*, International Symposium on Digital Forensics and Security, Little Rock, Arkansas, USA, pp. 53-58, 2016.
- [6] I. Kiss, **B. Genge**, P. Haller: *Behavior-based Critical Cyber Asset Identification in Process Control Systems Under Cyber Attacks*, 16th International Carpathian Control Conference, Miskolc, Hungary, pp. 196-201, 2015.
- [7] I. Kiss, **B. Genge**, P. Haller: *A Clustering-based Approach to Detect Cyber Attacks in Process Control Systems*, INDIN 2015 IEEE International Conference on Industrial Informatics, 22-24 July 2015, pp. 142-148, Cambridge, UK.

- [8] Z. Gal, H. Sandor, **B. Genge**: *Information flow and complex event processing of the sensor network communication*, 2015 6th IEEE International Conference on Cognitive Infocommunications (CogInfoCom), Győr, Hungary, pp. 1-6, 2015.
- [9] H. Sandor, **B. Genge**, G. Sebestyén: *Resilience in the Internet of Things: The Software Defined Networking Approach*, IEEE 11th International Conference on Intelligent Computer Communication and Processing, September 3-5, Cluj-Napoca, Romania, pp. 545-552, 2015.
- [10] I. Kiss, **B. Genge**, P. Haller, G. Sebestyén: *A Framework for Testing Stealthy Attacks in Energy Grids*, IEEE 11th International Conference on Intelligent Computer Communication and Processing, September 3-5, Cluj-Napoca, Romania, pp. 553-560, 2015.
- [11] **B. Genge**, C. Enachescu: *Non-Intrusive Historical Assessment of Internet-Facing Services in the Internet of Things*, 5th International Conference on Recent Achievements in Mechatronics, Automation, Computer Science and Robotics (MACRO), pp. 25-36, 2015.
- [12] **B. Genge**, P. Haller, I. Kiss: *A Linear Programming Approach for K-Resilient and Reliability-Aware Design of Large-Scale Industrial Networks*, International Conference on Ad Hoc, Mobile, and Wireless Networks (ADHOC-NOW), Lecture Notes in Computer Science, Volume 9143, Athens, Greece, pp. 288-302, 2015.
- [13] **B. Genge**, F. Graur, C. Enachescu: *Non-intrusive techniques for vulnerability assessment of services in distributed systems*, 8th International Conference on Interdisciplinarity in Engineering (Inter-Eng), Tîrgu Mureș, Romania, pp. 12-19, 2015.
- [14] A. Beres, **B. Genge**, I. Kiss: *A Brief Survey on Smart Grid data analysis in the Cloud*, 8th International Conference on Interdisciplinarity in Engineering (Inter-Eng), Tîrgu Mureș, Romania, pp. 858-865, 2015.
- [15] **B. Genge**, A. Beres, P. Haller: *A Survey on Cloud-based Software Platforms to Implement Secure Smart Grids*. 49th IEEE International Universities' Power Engineering Conference, Cluj-Napoca, Romania, September, pp. 1-6, 2014.
- [16] I. Kiss, **B. Genge**, P. Haller, G. Sebestyén: *Data clustering-based anomaly detection in industrial control systems*. 2014 IEEE International Conference on Intelligent Computer Communication and Processing (ICCP), Cluj-Napoca, Romania, September, pp. 275-281, 2014.
- [17] D. A. Rusu, **B. Genge**, C. Siaterlis: *SPEAR: A systematic approach for connection pattern-based anomaly detection in SCADA systems*. In the Proc. of the 7th Interdisciplinarity in Engineering Conference (Inter-Eng), Tg. Mureș, Romania, Procedia Technology, Elsevier, Volume 12, pp. 168-173, 2014.
- [18] **B. Genge**, C. Siaterlis: *Investigating the Effect of Network Parameters on Coordinated Cyber Attacks Against a Simulated Power Plant*. 6th International Conference on Critical Information Infrastructure Security, Luzerne, Switzerland, Lecture Notes in Computer Science 6983, pp. 140-151, 2011.
- [19] I. Garitano, C. Siaterlis, **B. Genge**, R. Uribeetxeberria, U. Zurutuza: *A Method to Construct Network Traffic Models for Process Control Systems*. 17th IEEE International Conference on Emerging Technologies & Factory Automation (ETF2012), Krakow, Poland, pp. 1-8, 2012.

- [20] **B. Genge**, C. Siaterlis: *An Experimental Study on the Impact of Network Segmentation to the Resilience of Physical Processes*. Networking 2012, Prague, Czech Republic, Lecture Notes in Computer Science 7289 Springer 2012, pp. 121-134, 2012.
- [21] **B. Genge**, C. Siaterlis: *Using Soft Real-Time Simulation in a Hybrid Environment for Cyber-Physical Security Experiments*. International Workshops on Enabling Technologies: Infrastructure for Collaborative Enterprises, Paris, France, pp. 285-290, 2011.
- [22] **B. Genge**, C. Siaterlis: *Developing Cyber-Physical Experimental Capabilities for the Security Analysis of the Future Smart Grid*. IEEE PES Innovative Smart Grid Technologies, Manchester, UK, pp. 1-7, 2011.
- [23] **B. Genge**, P. Haller: *End-Host Distribution in Application-Layer Multicast: Main Issues and Solutions*. 9th RoEduNet IEEE International Conference, Sibiu, Romania, pp. 334-339, ISSN 2068-1038, 2010.
- [24] R. Potop, O. Iovanici, **B. Genge**, P. Haller: *A Fault Tolerant Peer-to-Peer Replication Network*. 9th RoEduNet IEEE International Conference, Sibiu, Romania, pp. 196-201, ISSN 2068-1038, 2010.
- [25] **B. Genge**, I. Ignat, P. Haller: *Automated Composition of Security Protocols*. 2009 IEEE International Conference on Intelligent Communication and Processing (ICCP 2009), Cluj-Napoca, Romania, pp. 251-258, 2009.
- [26] **B. Genge**, P. Haller: *Towards Automated Secure Web Service Execution*. Networking 2009, Aachen, Germany, May 11-15, Lecture Notes in Computer Science (LNCS 5550), L. Fratta et al. (Eds.), Springer-Verlag, pp. 943-954, 2009.
- [27] **B. Genge**, P. Haller: *Middleware for Automated Implementation of Security Protocols*. 6th European Semantic Web Conference, Heraklion, Greece, 31 May - 4 June, Lecture Notes in Computer Science (LNCS 5554), L. Aroyo et al. (Eds.), Springer-Verlag, pp. 476-490, 2009.
- [28] **B. Genge**, P. Haller: *A Modeling Framework for Generating Security Protocol Specifications*. 10th International Symposium on Symbolic and Numeric Algorithms for Scientific Computing (SYNASC'08), Workshop on Global Computing Models and Technologies, Timisoara, Romania, pp. 362-365, Sept. 2008.
- [29] **B. Genge**, P. Haller, O. Ratoi, I. Ignat: *Term-based composition of security protocols*. 2008 IEEE International Conference on Automation, Quality and Testing, Robotics, Cluj-Napoca, Romania, pp. 233-238, May 2008.
- [30] O. Ratoi, P. Haller, I. Salomie, **B. Genge**: *Component Based Platform for Multimedia Applications*. 7th IEEE RoEduNet International Conference, Cluj-Napoca, Romania, pp. 40-43, Aug. 2008.
- [31] **B. Genge**, P. Haller, I. Ignat, O. Ratoi: *Informal specification-based performance evaluation of security protocols*. 4th IEEE International Conference on Intelligent Computer Communication and Processing, Cluj-Napoca, Romania, pp. 193-200, Aug. 2008.

C3. Articole în extenso publicate în reviste indexate BDI

- [1] **B. Genge**, J. Sztrik, *Optimal Switch Configuration in Software-Defined Networks*, Scientific bulletin of the „Petru Maior” University of Tîrgu Mureş, vol. 13, no. 1, pp. 25-29, 2016. Indexare EBSCO, <http://amset.umfst.ro/?pag=indexing>
- [2] **B. Genge**, P. Haller, C. Enachescu: *Beyond Internet Scanning: Banner Processing for Passive Software Vulnerability Assessment*, International Journal of Information Security Science, vol. 4, no. 3, pp. 81-91, 2015. Indexare EBSCO
- [3] H. Sandor, **B. Genge**, Z. Gal, *Security Assessment of Modern Data Aggregation Platforms in the Internet of Things*, International Journal of Information Security Science, vol. 4, no. 3, pp. 8-19, 2015. Indexare EBSCO
- [4] **B. Genge**, P. Haller: *Using Planetlab To Implement Multicast at the Application Level*. International Journal of Computer Networks & Communications (IJCNC) Vol.3, No.1, pp. 67-80, January 2011. Indexare EBSCO, <http://airccse.org/journal/j2indexing.html>
- [5] **B. Genge**, P. Haller: *A New Video Surveillance System Using Automated Secure Service Composition*. Studia Universitatis Babes-Bolyai Series Informatica, Volume LV, Number 2, pp. 35-46, 2010. Indexare MathSciNet, http://studia.ubbcluj.ro/serii/informatica/informatica_eval.html
- [6] O. Ratoi, P. Haller, **B. Genge**: *A New Multimedia Streaming Platform Based on XPCOM Components*. Studia Universitatis Babes-Bolyai Series Informatica, Volume LV, Number 2, pp. 47-56, 2010. Indexare MathSciNet, http://studia.ubbcluj.ro/serii/informatica/informatica_eval.html
- [7] **B. Genge**: *Towards Automated Execution of Security Protocols for Web Services*. Studia Universitatis Babes-Bolyai Series Informatica, Volume LIV, Number 2, pp. 23-36, 2009. Indexare MathSciNet, http://studia.ubbcluj.ro/serii/informatica/informatica_eval.html
- [8] **B. Genge**: *Automated Comparative Performance Evaluation of Security Protocols*. Scientific Bulletin of the Petru Maior University of Targu Mures, Volume 4 (XXI), pp. 67-76, 2009. Indexare EBSCO, <http://amset.umfst.ro/?pag=indexing>
- [9] **B. Genge**, P. Haller: *Extending WS-Security to Implement Security Protocols for Web Services*. Acta Universitatis Sapientiae - Electrical and Mechanical Engineering, Vol. 1, pp. 105-112, 2009. Indexare EBSCO, <http://www.acta.sapientia.ro/acta-emeng/emeng-main.htm>
- [10] Magyari, **B. Genge**, P. Haller: *Certificate-based Single Sign-On Mechanism for Multi-Platform Distributed Systems*. Acta Universitatis Sapientiae - Electrical and Mechanical Engineering, Vol. 1, pp. 113-123, 2009. Indexare EBSCO, <http://www.acta.sapientia.ro/acta-emeng/emeng-main.htm>
- [11] **B. Genge**, I. Ignat: *Syntactic Sequential Composition of Security Protocols*. Journal of Automation Computers Applied Mathematics (ACAM), Volume 17, No. 2, pp. 169-178, 2008. Indexare Mathematical Reviews, <http://acam.tucn.ro/HTML/INDEX.HTM>

C4. Articole în extenso publicate în conferințe indexate BDI

- [1] H. Sandor, **B. Genge**, P. Haller, A.-V. Duka, B. Crainicu: *Cross-Layer Anomaly Detection in Industrial Cyber-Physical Systems*, 25th International Conference on Software, Telecommunications and Computer Networks, SoftCom2017, Split, Croatia, 2017.
- [2] H. Sandor, P. Haller, **B. Genge**, Z. Katai: *Optimally Scheduled Intervention in the Presence of Vulnerabilities for Modern Cyber-Physical Systems*, 15th IEEE International Conference on Industrial Informatics (INDIN2017), Emden, Germany, 24-26 July, 2017.
- [3] **B. Genge**, A.-V. Duka, P. Haller, B. Crainicu, H. Sandor, F. Graur: *Design, Verification and Implementation of a Lightweight Remote Attestation Protocol for Process Control Systems*, 15th IEEE International Conference on Industrial Informatics (INDIN2017), Emden, Germany, 24-26 July, 2017.
- [4] **B. Genge**, F. Graur, B. Crainicu, P. Haller, A.-V. Duka: *Practical Considerations on the Provisioning of Protection Strategies in Process Control Systems*, European Conference on Cyber Warfare and Security (ECCWS), Dublin, Irlanda, 2017.
- [5] I. Kiss, **B. Genge**: *A Methodology for Optimal Control Network Design*, The 11th International Conference on Critical Information Infrastructures Security (CRITIS2016), October 10-12, 2016 Paris, France.
- [6] **B. Genge**, P. Haller, I. Kiss: *Big Data Processing to Detect Abnormal Behavior in Smart Grids*, 1st EAI International Conference on Smart Grid Inspired Future Technologies, MAY 19-20, 2016, Liverpool, Great Britain, Volume 175 of the series Lecture Notes of the Institute for Computer Sciences, Social Informatics and Telecommunications Engineering, pp. 214-221, 2016.
- [7] **B. Genge**, C. Siaterlis, G. Karopoulos: *Data Fusion-Based Anomaly Detection in Networked Critical Infrastructures*. 43th IEEE/IFIP International Conference on Dependable Systems and Networks (DSN 2013), Workshop on Reliability and Security Data Analysis (RSDA 2013), Budapest, Hungary, pp. 1-8, 2013.
- [8] **B. Genge**, C. Siaterlis, M. Hohenadel: *AMICI: An Assessment Platform for Multi-Domain Security Experimentation on Critical Infrastructures*. 7th International Conference on Critical Information Infrastructures Security, Lillehammer, Norway, Lecture Notes in Computer Science 7722, pp. 228-239, 2012.
- [9] C. Siaterlis, **B. Genge**: *Theory of Evidence-based Automated Decision Making in Cyber-Physical Systems*. IEEE International Conference on Smart Measurements for Future Grids, Bologna, Italy, pp.107-112, 2011.
- [10] **B. Genge**, P. Haller: *A syntactic approach for identifying multi-protocol attacks*. ICUMT '09 - International Conference on Ultra Modern Telecommunications, St. Petersburg, Russia, pp. 1-5, 2009.