

Fişa de verificare a îndeplinirii criteriilor CNATDCU minimale corespunzătoare domeniului Informatică

Condiții minimale			
Perspectiva	Condiții minimale abilitare	Punctaj realizat	Îndeplinire
a) Respectarea normelor de etică a cercetării	Respectarea normelor	Am respectat normele de etică a cercetării	DA
b) Producția științifică	minim 56 24 categoria A 16 categoria B	Total 99 puncte 40 categoria A 38 categoria B	DA
c) Impactul rezultatelor	minim 120 40 categoria A+B	Total 210.33 puncte 144 categoria A + B	DA
d) Performanța academică	minim 60	81.33 puncte	DA
PUNCTAJ TOTAL	236 puncte	390.66 puncte	DA

a) RESPECTAREA NORMELOR DE ETICĂ A CERCETĂRII

Subsemnatul, Genge Béla, consider că am respectat toate normele de etică a cercetării și în consecință perspectiva a) o evaluez cu calificativul **îndeplinit**.

b) PRODUCȚIA ȘTIINȚIFICĂ

Categoria A	40
Categoria B	38
Categoria C	21
TOTAL	99

Mențiuni:

1. Pentru identificarea categoriei conferinței s-a utilizat fișierul CORE2013_Exported.xlsx (2014) disponibil la <http://informatica-universitaria.ro/ppages/16/>
2. Pentru identificarea categoriei revistei s-a utilizat fișierul CS afisat.pdf (2014) disponibil la <http://informatica-universitaria.ro/ppages/16/>

Nr.	Lucrarea	Categoria	Justificare	Nr. autori	Punctaj realizat
1	C. Siaterlis, and B. Genge : Cyber-physical testbeds. <i>Communications of the ACM</i> , vol. 57, no. 6, pp. 64-73, June 2014. FI: 3.621	A	pagina 1, listă reviste 2014	2	8
2	C. Siaterlis, A. Perez-Garcia, and B. Genge : On the use of Emulab testbeds for scientifically rigorous experiments. <i>IEEE Communications Surveys and Tutorials</i> , vol. 15, no. 2, pp. 929-942, 2013. FI: 6.490	A	pagina 2, listă reviste 2014	3	8
3	B. Genge , and C. Siaterlis: An Experimental Study on the Impact of Network Segmentation to the Resilience of Physical Processes. <i>Networking 2012</i> , Prague, Czech Republic, Lecture Notes in Computer Science 7289 Springer 2012, pp. 121-134, 2012.	A	poziția 705, listă conferințe 2014	2	8
4	B. Genge , and P. Haller: Middleware for Automated Implementation of Security Protocols. <i>6th European Semantic Web Conference</i> , Heraklion, Greece, 31 May - 4 June, Lecture Notes in Computer Science (LNCS 5554), L. Aroyo et al. (Eds.), Springer-Verlag, pp. 476-490, 2009.	A	poziția 1571, listă conferințe 2014	2	8
5	B. Genge , and P. Haller: Towards Automated Secure Web Service Execution. <i>Networking 2009</i> , Aachen, Germany, May 11-15, Lecture Notes in Computer Science (LNCS 5550), L. Fratta et al. (Eds.), Springer-Verlag, pp. 943-954, 2009.	A	poziția 705, listă conferințe 2014	2	8
6	B. Genge , P. Haller, and I. Kiss: Cyber Security-Aware Network Design of Industrial Control Systems, <i>IEEE Systems Journal</i> , IEEE Systems Council (Disponibil on-line), 2015, FI: 1.980	B	pagina 8, listă reviste 2014	3	4

7	B. Genge , I. Kiss, and P. Haller: A system dynamics approach for assessing the impact of cyber attacks on critical infrastructures. <i>International Journal of Critical Infrastructure Protection</i> , Elsevier, vol. 10, pp. 3-17, 2015, FI: 1.000	B	pagina 9, listă reviste 2014	3	4
8	B. Genge , F. Graur, and P. Haller: Experimental Assessment of Network Design Approaches for Protecting Industrial Control Systems, <i>International Journal of Critical Infrastructure Protection</i> , Elsevier, vol. 11, pp. 24-38, 2015, FI: 1.000	B	pagina 9, listă reviste 2014	3	4
9	B. Genge , and C. Siaterlis: Physical process resilience-aware network design for SCADA systems. <i>Computers and Electrical Engineering</i> , Elsevier, vol. 40, no. 1, pp. 142-157, 2014, FI: 0.817	B	pagina 7, listă reviste 2014	2	4
10	B. Genge , and C. Siaterlis: Analysis of the Effects of Distributed Denial-of-Service Attacks on MPLS Networks. <i>International Journal of Critical Infrastructure Protection</i> , Elsevier, vol. 6, no. 2, pp. 87-95, 2013, FI: 1.000	B	pagina 9, listă reviste 2014	2	4
11	B. Genge , C. Siaterlis, I. Nai Fovino, and M. Masera: A Cyber-Physical Experimentation Environment for the Security Analysis of Networked Industrial Control Systems. <i>Computers and Electrical Engineering</i> , Elsevier, vol. 38, no. 5, pp. 1146-1161, 2012, FI: 0.817	B	pagina 7, listă reviste 2014	4	2
12	B. Genge , P. Haller, and I. Kiss: A Linear Programming Approach for K-Resilient and Reliability-Aware Design of Large-Scale Industrial Networks. <i>AdHoc-Now 2015</i> , Athens, Greece, Lecture Notes in Computer Science, Springer, LNCS 9143, pp. 1-15, 2015.	B	poziția 759, listă conferințe 2014	3	4
13	B. Genge , D.A. Rusu, and P. Haller: A Connection Pattern-based Approach to Detect Network Traffic Anomalies in Critical Infrastructures. <i>2014 ACM European Workshop on System Security (EuroSec2014)</i> , Amsterdam, The Netherlands, pp. 1-6, 2014, ISBN 978-1-4503-2715-2	B	workshop asociat conferință A (EuroSys) (dovada afiliere conferință: http://eurosys2014.vu.nl/workshops/), categ. A/2=B conform listă conferințe 2014, poziția 511	3	4
14	B. Genge , C. Siaterlis, and G. Karopoulos: Data Fusion-Based Anomaly Detection in Networked Critical Infrastructures. <i>43th IEEE/IFIP International Conference on Dependable Systems and Networks (DSN 2013)</i> , Workshop on Reliability and Security Data Analysis (RSDA 2013), Budapest, Hungary, pp. 1-8, 2013.	B	workshop asociat conferință A (DSN) (dovada afiliere conferință: http://2013.dsn.org/workshops/), categ. A/2=B conform listă conferințe 2014, poziția 134	3	4
15	B. Genge , and C. Siaterlis: Using Soft Real-Time Simulation in a Hybrid Environment for Cyber-Physical Security Experiments. <i>International Workshops on Enabling Technologies: Infrastructure for Collaborative Enterprises</i> , Paris, France, pp. 285-290, 2011.	B	poziția 1238, listă conferințe 2014	2	4
16	B. Genge , and C. Enachescu: ShoVAT: Shodan-based vulnerability	C	pagina 25, listă reviste 2014	2	2

	assessment tool for Internet-facing services, <i>Security and communication networks</i> , Wiley, 2015, FI: 0.720 , disponibil on-line: http://onlinelibrary.wiley.com/doi/10.1002/sec.1262/abstract				
17	B. Genge , C. Siaterlis, and M. Hohenadel: Impact of Network Infrastructure Parameters to the Effectiveness of Cyber Attacks Against Industrial Control Systems. <i>International Journal of Computers, Communications & Control</i> , vol. 7, no. 4, pp. 673-686, 2012, FI: 0.746	C	pagina 18, listă reviste 2014	3	2
18	I. Kiss, B. Genge , P. Haller, and G. Sebestyen: A Framework for Testing Stealthy Attacks in Energy Grids. <i>IEEE 11th International Conference on Intelligent Computer Communication and Processing</i> , September 3-5, Cluj-Napoca, Romania, pp. 553 – 560, 2015.	C	poziția 592, listă conferințe 2014	4	1
19	H. Sandor, B. Genge , and G. Sebestyen: Resilience in the Internet of Things: The Software Defined Networking Approach, <i>IEEE 11th International Conference on Intelligent Computer Communication and Processing</i> , September 3-5, Cluj-Napoca, Romania, pp. 545 – 552, 2015.	C	poziția 592, listă conferințe 2014	3	2
20	I. Kiss, B. Genge , P. Haller, and G. Sebestyen: Data clustering-based anomaly detection in industrial control systems. <i>2014 IEEE International Conference on Intelligent Computer Communication and Processing (ICCP)</i> , Cluj-Napoca, Romania, September, pp. 275-281, 2014.	C	poziția 592, listă conferințe 2014	4	1
21	B. Genge , C. Siaterlis, and M. Hohenadel: AMICI: An Assessment Platform for Multi-Domain Security Experimentation on Critical Infrastructures. <i>7th International Conference on Critical Information Infrastructures Security</i> , Lillehammer, Norway, Lecture Notes in Computer Science 7722, pp. 228-239, 2012.	C	poziția 1164, listă conferințe 2014	3	2
22	B. Genge , and C. Siaterlis: Investigating the Effect of Network Parameters on Coordinated Cyber Attacks Against a Simulated Power Plant. <i>6th International Conference on Critical Information Infrastructure Security</i> , Luzerne, Switzerland, Lecture Notes in Computer Science 6983, pp. 140-151, 2011.	C	poziția 1164, listă conerințe 2014	2	2
23	B. Genge , and P. Haller: Resource Usage Prediction for Application-Layer Multicast Networks. <i>2010 IEEE International Conference on Intelligent Communication and Processing (ICCP 2010)</i> , Cluj-Napoca, Romania, pp. 473-478, 2010.	C	poziția 592, listă conferințe 2014	2	2
24	B. Genge , I. Ignat, and P. Haller: Automated Composition of Security Protocols. <i>2009 IEEE International Conference on Intelligent Communication and Processing (ICCP 2009)</i> , Cluj-Napoca, Romania, pp. 251-258, 2009.	C	poziția 592, listă conferințe 2014	3	2

25	B. Genge , and P. Haller: A Modeling Framework for Generating Security Protocol Specifications. <i>10th International Symposium on Symbolic and Numeric Algorithms for Scientific Computing (SYNASC'08)</i> , Workshop on Global Computing Models and Technologies, Timisoara, Romania, pp. 362-365, 2008.	C	poziția 1130, listă conferințe 2014	2	2
26	B. Genge , P. Haller, I. Ignat, and O. Ratoi: Informal specification-based performance evaluation of security protocols. <i>4th IEEE International Conference on Intelligent Computer Communication and Processing</i> , Cluj-Napoca, Romania, pp. 193-200, 2008.	C	poziția 592, listă conferințe 2014	4	1
27	B. Genge , and I. Ignat: Verifying the Independence of Security Protocols. <i>3rd IEEE International Conference on Intelligent Computer Communication and Processing</i> , Cluj-Napoca, Romania, pp. 155-163, 2007.	C	poziția 592, listă conferințe 2014	2	2

c) IMPACTUL REZULTATELOR

Categoria A	84
Categoria B	60
Categoria C	21
Categoria D	45.83
TOTAL	210.83

Mențiuni:

1. Pentru identificarea categoriei conferinței s-a utilizat fișierul CORE2013_Exported.xlsx (2014) disponibil la <http://informatica-universitaria.ro/ppages/16/>
2. Pentru identificarea categoriei revistei s-a utilizat fișierul CS afisat.pdf (2014) disponibil la <http://informatica-universitaria.ro/ppages/16/>

Lucrare citată	Autori	Punctaj realizat	
C. Siaterlis, A. Perez-Garcia, and 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.	3	37	
Lucrare care citează	Categoria	Justificare	Puncte
K. Mets, J.A. Ojea, and C. Develder: Combining Power and Communication Network Simulation for Cost-Effective Smart Grid Analysis. Communications Surveys & Tutorials, IEEE, vol.16, no.3, pp.1771,1796, Third Quarter 2014.	A	pagina 2, listă reviste 2014	8
U. Goel, M.P. Wittie, K.C. Claffy, A. Le: Survey of End-to-End Mobile Network Measurement Testbeds, Tools, and Services. IEEE Communications Surveys & Tutorials, vol. PP, no. 99, 2015.	A	pagina 2, listă reviste 2014	8
C. Baham and V. Kisekka: Applying Cyber Range Concepts of Operation to Disaster Recovery Testing. A Case Study, 2015 Americas Conference on Information Systems (AMCIS), Puerto Rico, August 13-15, 2015.	A	poziția 33, listă conferințe 2014	8
M. Tiloca, F. Racciatti and G. Din: Simulative evaluation of security attacks in networked critical infrastructures, SafeComp 2015, Computer Safety, Reliability, and Security, Lecture Notes in Computer Science Volume 9338, pp 314-323, 2015.	B	poziția 816, listă conferințe 2014	4
R. Sanchez-Iborra, M.D. Cano, J. P. C. Rodrigues and J. Garcia-Haro: An Experimental QoE Performance Study for the Efficient Transmission of High Demanding Traffic over an Ad Hoc Network Using BATMAN, Mobile Information Systems, Volume 2015 (2015), Article ID 217106, 14 pages.	C	pagina 24, listă reviste 2014	2
H. Holm, M. Karresand, A. Vidström, E. Westring: A Survey of Industrial Control System Testbeds. Secure IT Systems, Volume 9417 of the series Lecture Notes in Computer Science, pp. 11-26, 2015.	C	LNCS	2

I. Hokelek, H.B. Celebi, R.T. Kuyuk, O. Erturk, F. Kara, and G. Vicil: TÜBİTAK BİLGEM wireless telecommunication technologies research laboratory. Signal Processing and Communications Applications Conference (SIU), 2013 21st , pp. 1-4, 2013.	D	conferință nelistată (IEEE Xplore)	1
A. Carlsson, R. Gustavsson, L. Truksans, and M. Balodis: Remote Security Labs in the Cloud ReSeLa, Global Engineering Education Conference (EDUCON), 2015 IEEE, Tallin, pp. 199-206, 2015.	D	conferință nelistată (IEEE Xplore)	1
A Murillo, OCMB Duarte: Virtual Networks for Cyber Security Testing of Future Internet Proposals, Second Workshop on Network Virtualization and Intelligence for the Future Internet, Angra dos Reis, Rio de Janeiro, Brazil, October 25-27, 2013.	D	workshop nelistat (Google Scholar)	1
PW Tsai, WH Fong, KW Huang, MY Luo, and CS Yang: Design and development of virtual nodes in the network testbed for emulation. Communications, Computers and Signal Processing (PACRIM), 2015 IEEE Pacific Rim Conference on, pp. 101 – 106, Victoria, BC, 2015.	D	conferință nelistată (IEEE Xplore)	1
A Quereilhac: A generic approach to network experiment automation. PhD Thesis. Universitate Nice Sophia Antipolis, 2015.	D	teză de doctorat (Google Scholar)	1

Lucrare citată	Autori	Punctaj realizat	
B. Genge, C. Siaterlis, I. Nai Fovino, and M. Masera: A Cyber-Physical Experimentation Environment for the Security Analysis of Networked Industrial Control Systems. Computers and Electrical Engineering, Elsevier, vol. 38, no. 5, pp. 1146-1161, 2012.	4	17	
Lucrare care citează	Categoria	Justificare	Puncte
C. Baham and V. Kisekka: Applying Cyber Range Concepts of Operation to Disaster Recovery Testing. A Case Study, 2015 Americas Conference on Information Systems (AMCIS), Puerto Rico, August 13-15, 2015.	A	poziția 33, listă conferințe 2014	4
S.K. Khaitan, and J.D. McCalley: Design Techniques and Applications of Cyberphysical Systems: A Survey. Systems Journal, IEEE , vol. 9, no. 2, pp.1-16, 2015.	B	pagina 8, listă reviste 2014	2
N. Goldenberg, and A. Wool: Accurate modeling of Modbus/TCP for intrusion detection in SCADA systems. International Journal of Critical Infrastructure Protection, vol. 6, no. 2, pp. 63-75, 2013.	B	pagina 9, listă reviste 2014	2
Han Honggui, Li Ying, and Qiao Junfei: A fuzzy neural network approach for online fault detection in waste water treatment process. Computers and Electrical Engineering, vol. 40, no. 7, pp. 2216-2226, 2014.	B	pagina 7, listă reviste 2014	2
W. Knowles, D. Prince, D. Hutchison, J. F. Pagna Disso, and K. Jones: A survey of cyber security management in industrial control systems. International Journal of Critical Infrastructure Protection, vol. 9, pp. 52-80, June 2015.	B	pagina 9, listă reviste 2014	2
F Baiardi, F Tonelli, L Guidi, D Pestonesi, V. Angeletti: Assessing and managing the information and communication risk of power generation, Computers and Electrical Engineering, vol. 47, pp. 286-298, 2015.	B	pagina 7, listă reviste 2014	2
M. Krotofil, and D. Gollmann: Industrial control systems security: What is happening?. Industrial Informatics (INDIN), 2013 11th IEEE International Conference on, pp. 670-675, 2013.	D	conferință nelistată (IEEE Xplore)	0.5
M Azimi, A Sami, and A Khalili: A security test-bed for industrial control systems. Proceedings of the 1st International Workshop on Modern Software Engineering Methods for Industrial Automation, pp. 26-31, 2014.	D	workshop nelistat (ACM Digital Library)	0.5

Cheng Zhi Jiang, Ting Ting Liu, and Xing Chuan Bao: A Security Test and Evaluation Model for Electric Industrial Control Systems. Applied Mechanics and Materials, Vol. 519-520, pp. 1385-1389, 2014.	D	revistă nelistată (Scopus)	0.5
Dongqing Chen, Yong Peng, Huazhong Wang: Development of a Testbed for Process Control System Cybersecurity Research, 3rd International Conference on Electric and Electronics (EEIC 2013), 2013	D	conferință nelistată (Google Scholar)	0.5
Gilbert E. Pérez, Ivica Kostanic: Comparing a Real-Life WSN Platform Small Network and its OPNET Modeler Model using Hypothesis Testing, Journal on Systemics, Cybernetics and Informatics: JSCI, Volume 12 - Number 7, pp. 66-73, 2014.	D	revistă nelistată (Google Scholar)	0.5
Z. Thornton, T. Morris: Enhancing a Virtual SCADA Laboratory Using Simulink. J. Butts and S. Shenoj (Eds.), Critical Infrastructure Protection IX IFIP Advances in Information and Communication Technology, vol. 466, pp. 119-133, Springer, 2015.	D	capitol de carte (Springer)	0.5

Lucrare citată	Autori	Punctaj realizat	
B. Genge, and 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.	2	4	
Lucrare care citează	Categoria	Justificare	Puncte
M. Kuchaki Rafsanjani, and N. Kazeminejad: Distributed denial of service attacks and detection mechanisms. Journal of Computational Methods in Sciences and Engineering, vol. 14, no. 6, pp. 329-345, 2015.	C	pagina 21, listă reviste 2014	2
I. Kiss, P. Haller, and A. Beres: Denial of Service Attack Detection in Case of Tennessee Eastman Challenge Process. Elsevier Procedia Technology, vol. 19, pp. 835-841, 2015.	D	conferință nelistată (Elsevier Science)	1
Gilbert E. Pérez, Ivica Kostanic: Comparing a Real-Life WSN Platform Small Network and its OPNET Modeler Model using Hypothesis Testing, Journal on Systemics, Cybernetics and Informatics: JSCI, Volume 12 - Number 7, pp. 66-73, 2014.	D	revistă nelistată (Google Scholar)	1

Lucrare citată	Autori	Punctaj realizat	
B. Genge, I. Nai Fovino, C. Siaterlis, and 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.	4	5.5	
Lucrare care citează	Categoria	Justificare	Puncte
S.K. Khaitan, and J.D. McCalley: Design Techniques and Applications of Cyberphysical Systems: A Survey, Systems Journal, IEEE , vol. 9, no. 2, pp. 1-16, 2015.	B	pagina 8, conform listă reviste 2014	2
A. Di Pietro, S. Panzieri: Taxonomy of SCADA systems security testbeds, International Journal of Critical	C	conform serviciului Web:	1

Infrastructures, vol. 10, no. 3-4, pp. 288-306, 2014.		http://informatica-universitaria.ro/php/index.html	
M. Krotofil, and D. Gollmann: Industrial control systems security: What is happening?. Industrial Informatics (INDIN), 2013 11th IEEE International Conference on , pp. 670-675, 2013.	D	conferință nelistată (IEEE Xplore)	0.5
A Di Pietro, C Foglietta, S Palmieri: Assessing the Impact of Cyber Attacks on Interdependent Physical Systems. J. Butts and S. Shenoi (Eds.), Critical Infrastructure Protection VII IFIP Advances in Information and Communication Technology, vol. 417, Springer, 2013.	D	capitol de carte (Springer)	0.5
Jun Wu and K. Kobara: Comparison of tools and simulators for control system security studies. Industrial Informatics (INDIN), 2012 10th IEEE International Conference on , pp. 45-50, 2012.	D	conferință nelistată (IEEE Xplore)	0.5
C Foglietta, S Panzileri, F Pascucci: Algorithms and Tools for Risk/Impact Evaluation in Critical Infrastructures. E. Kyriakides and M. Polycarpou (Eds.), Intelligent Monitoring, Control, and Security of Critical Infrastructure Systems, Studies in Computational Intelligence, Springer, vol. 565, 2015.	D	capitol de carte (Springer)	0.5
Queiroz Batista da Silva: A holistic approach for measuring the survivability of SCADA systems. PhD Thesis, RMIT University, 2012.	D	teză de doctorat (Google Scholar)	0.5

Lucrare citată		Autori	Punctaj realizat
B. Genge, C. Siaterlis, and 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.		3	20
Lucrare care citează	Categoria	Justificare	Puncte
S. Ntalampiras, Y. Soupionis, and G. Giannopoulos: A fault diagnosis system for interdependent critical infrastructures based on HMMs. Reliability Engineering & System Safety, vol. 138, pp. 73-81, 2015.	A	conform serviciului Web: http://informatica-universitaria.ro/php/index.html	8
E. Molina, E. Jacob, J. Matias, N. Moreira, and A. Astarloa: Using Software Defined Networking to manage and control IEC 61850-based systems. Computers and Electrical Engineering, Available online 13 November 2014.	B	pagina 7, listă reviste 2014	4
S. Ntalampiras: Detection of Integrity Attacks in Cyber-Physical Critical Infrastructures Using Ensemble Modeling. Industrial Informatics, IEEE Transactions on, vol. 11, no. 1, pp. 104-111, Feb. 2015.	B	pagina 8, listă reviste 2014	4
M Tiloca, F Racciatti, G Dini: Simulative Evaluation of Security Attacks in Networked Critical Infrastructures, Computer Safety, Reliability, and Security, Volume 9338 of the series Lecture Notes in Computer Science pp 314-323, 2015.	C	LNCS	2
Y. Soupionis, and T. Benoist: Demo abstract: Demonstrating cyber-attacks impact on cyber-physical simulated environment. Cyber-Physical Systems (ICCP), 2014 ACM/IEEE International Conference on, 2014.	D	conferință nelistată (IEEE Xplore)	1
I. Heckl, P.I. Borbas, B. Szombathelyi, M. Frits: Simulator for Distribution Scheduling in Downstream, MACRO 2015. Volume 1, Issue 1, Pages 73-77, 2015.	D	conferință nelistată (DeGruyter)	1

Lucrare citată	Autori	Punctaj realizat	
B. Genge, and I. Ignat: Verifying the Independence of Security Protocols. 3rd IEEE International Conference on Intelligent Computer Communication and Processing, Cluj-Napoca, Romania, pp. 155-163, September 2007.	2	8	
Lucrare care citează	Categoria	Justificare	Puncte
F. Bergsma, B. Dowling, F. Kohlar, J. Schwenk, and D. Stebila: Multi-Ciphersuite Security of the Secure Shell (SSH) Protocol. Proceedings of the 2014 ACM SIGSAC Conference on Computer and Communications Security, pp. 369-381, 2014.	A	poziția 2, listă conferințe 2014	8

Lucrare citată	Autori	Punctaj realizat	
B. Genge, C. Siaterlis, and 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.	3	17	
Lucrare care citează	Categoria	Justificare	Puncte
M. Krotofil, A. Cárdenas, and J. Larsen: CPS: driving cyber-physical systems to unsafe operating conditions by timing DoS attacks on sensor signals. ACSAC '14 Proceedings of the 30th Annual Computer Security Applications Conference, pp. 146-155, 2014.	A	poziția 301, listă conferințe 2014	8
M. Krotofil, A. Cárdenas, J. Larsen, and D. Gollmann: Vulnerabilities of cyber-physical systems to stale data—Determining the optimal time to launch attacks. International Journal of Critical Infrastructure Protection, vol. 7, no. 4, Pages 213-232, 2014.	B	pagina 9, listă reviste 2014	4
M. Krotofil, and A. Cárdenas: Resilience of Process Control Systems to Cyber-Physical Attacks. Secure IT Systems Lecture Notes in Computer Science Volume 8208, 2013, pp 166-182, 2013.	C	LNCS	2
M. Krotofil, and D. Gollmann: Industrial control systems security: What is happening?. Industrial Informatics (INDIN), 2013 11th IEEE International Conference on, pp. 670-675, 2013.	D	conferință nelistată (IEEE Xplore)	1
N. Mpofu, and R. Chikati: Strategy matrix for containing cyber-attacks: a generic approach. Proc. 10th International Conference on Cyber Warfare and Security ICCWS-2015, pp. 207-215, 2015.	D	conferință nelistată (Google Scholar)	1
M. Krotofil, A. Isakov, A. Winnicki, D. Gollmann, J. Larsen, P. Gurikov: Rocking the pocket book: Hacking chemical plants for competition and extortion, Black Hat 2015, Las Vegas, 2015.	D	conferință nelistată (Google Scholar)	1

Lucrare citată	Autori	Punctaj realizat	
B. Genge, and C. Siaterlis: Physical process resilience-aware network design for SCADA systems. Computers and Electrical Engineering, Elsevier, vol. 40, no. 1, pp. 142-157, 2014.	2	7	
Lucrare care citează	Categoria	Justificare	Puncte
Shuang Huang, Chun-Jie Zhou, Shuang-Hua Yang, Yuan-Qing Qin: Cyber-physical system security for networked industrial processes, International Journal of Automation and Computing, vol 12, no. 6, pp. 567-578, 2015.	B	pagina 9, listă reviste 2014	4
I. Kiss, P. Haller, and A. Beres: Denial of Service Attack Detection in Case of Tennessee Eastman Challenge Process. Elsevier Procedia Technology, vol. 19, pp. 835-841, 2015.	D	conferință nelistată (Elsevier Science)	1
S. Nazir, H. Hamdoun, J. A. Alzubi, O. A. Alzubi: Cyber Attack Challenges and Resilience for Smart Grids, European Journal of Scientific Research, Vol. 134 No 1 August, pp.111-120, 2015.	D	revistă nelistată (Scopus)	1
D Kuschnerus, A Bilgic, F Bruns, T Musch: A hierarchical domain model for safety-critical cyber-physical systems in process automation, Industrial Informatics (INDIN), 2015 IEEE 13th International Conference on, Cambridge, United Kingdom, pp. 430-436, 2015.	D	conferință nelistată (IEEE Xplore)	1

Lucrare citată	Autori	Punctaj realizat	
C. Siaterlis, B. Genge, and 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.	3	20	
Lucrare care citează	Categoria	Justificare	Puncte
S. Ntalampiras, Y. Soupionis, and G. Giannopoulos: A fault diagnosis system for interdependent critical infrastructures based on HMMs. Reliability Engineering & System Safety, vol. 138, pp. 73-81, 2015.	A	conform serviciului Web: http://informatica-universitaria.ro/php/index.html	8
G. Stergiopoulos, P. Kotzanikolaou, M. Theocharidou, G. Lykou, D. Gritzalis: Time-based critical infrastructure dependency analysis for large-scale and cross-sectoral failures. International Journal of Critical Infrastructure Protection, Disponibil on-line, 2015.	B	pagina 9, listă reviste 2014	4
Hiecheol Kim, Won-Kee Hong, Joonhyuk Yoo, and Seong-eun Yoo: Experimental Research Testbeds for Large-Scale WSNs: A Survey from the Architectural Perspective. International Journal of Distributed Sensor Networks, Article ID 630210, in press.	C	pagina 18, listă reviste 2014	2
I. Kiss, P. Haller, and A. Beres: Denial of Service Attack Detection in Case of Tennessee Eastman Challenge Process. Elsevier Procedia Technology, vol. 19, pp. 835-841, 2015.	D	conferință nelistată (Elsevier Science)	1
G. Koutsandria, R. Gentz, M. Jamei, A. Scaglione, S. Peisert, C. McParland: A Real-Time Testbed Environment for Cyber-Physical Security on the Power Grid, Proceedings of the First ACM Workshop on Cyber-Physical Systems-Security and/or Privacy, pp. 67-78, 2015.	D	workshop nelistat (ACM Digital Library)	1

R. Liu, A. Srivastava: Integrated simulation to analyze the impact of cyber-attacks on the power grid, Modeling and Simulation of Cyber-Physical Energy Systems (MSCPES), 2015 Workshop on, Seattle, WA, pp. 1-6, 2015	D	workshop nelistat (IEEE Xplore)	1
M. Krotofil, A. Isakov, A. Winnicki, D. Gollmann, J. Larsen, P. Gurikov: Rocking the pocket book: Hacking chemical plants for competition and extortion, Black Hat 2015, Las Vegas, 2015.	D	conferință nelistată (Google Scholar)	1
G. Stergiopoulos: Securing Critical Infrastructures at software and interdependency levels. PhD Thesis, Department of Informatics, Athens University of Economics & Business, Athens, Greece, 2015.	D	teză de doctorat (Google Scholar)	1
Éric Freyssinet: Lutte contre les botnets: analyse et stratégie. PhD Thesis, Université Pierre et Marie Curie, 2015. France.	D	teză de doctorat (Google Scholar)	1

Lucrare citată	Autori	Punctaj realizat	
C. Siaterlis, and 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.	2	4	
Lucrare care citează	Categoria	Justificare	Puncte
R Santini, C Foglietta, S Panzieri: A graph-based evidence theory for assessing risk, Information Fusion (Fusion), 2015 18th International Conference on, pp. 1467 – 1474, Washington, DC, 2015.	C	poziția 897, listă conferințe 2014	2
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R Santini, C Foglietta, S Panzieri: Evidence Theory for Cyber-Physical Systems, J. Butts and S. Shenoj (Eds.), Critical Infrastructure Protection VIII, IFIP Advances in Information and Communication Technology Volume 441, 2014, pp 95-109	D	capitol carte (Springer)	1

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Lucrare care citează	Categoria	Justificare	Puncte
A. Khalili, and A. Sami: SysDetect: A systematic approach to critical state determination for Industrial Intrusion Detection Systems using Apriori algorithm, Volume 32, Journal of Process Control, pp. 154–160, August 2015.	A	pagina 4, listă reviste 2014	8
I. Kiss, P. Haller, and A. Beres: Denial of Service Attack Detection in Case of Tennessee Eastman Challenge Process. Elsevier Procedia Technology, vol. 19, pp. 835-841, 2015.	D	conferință nelistată (Elsevier Science)	1
L. Zou, L. Zheng, and X. Zeng: Improving Accuracy of Dempster-Shafer Theory Based Anomaly Detection	D	revistă nelistată	1

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A. Di Pietro, S. Panzieri, A. Gasparri: Situational Awareness Using Distributed Data Fusion with Evidence Discounting. J. Butts and S. Shenoi (Eds.), Critical Infrastructure Protection IX IFIP Advances in Information and Communication Technology, vol. 466, pp. 281-296, Springer, 2015.	D	capitol carte (Springer)	1

Lucrare citată	Autori	Punctaj realizat	
B. Genge, and 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.	2	16	
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M. Krotofil, A. Cárdenas, and J. Larsen: CPS: driving cyber-physical systems to unsafe operating conditions by timing DoS attacks on sensor signals. ACSAC '14 Proceedings of the 30th Annual Computer Security Applications Conference, pp. 146-155, 2014.	A	poziția 301, listă conferințe 2014	8
M. Krotofil, A. Cárdenas, J. Larsen, D. Gollmann: Vulnerabilities of cyber-physical systems to stale data—Determining the optimal time to launch attacks. International Journal of Critical Infrastructure Protection, vol. 7, no. 4, pp. 213-232, 2014.	B	pagina 9, listă reviste 2014	4
M. Krotofil, and A. Cárdenas: Resilience of Process Control Systems to Cyber-Physical Attacks. Secure IT Systems Lecture Notes in Computer Science, vol. 8208, pp. 166-182, 2013.	C	LNCS	2
D. Gollmann, P. Gurikov, A. Isakov, M. Krotofil, J. Larsen, and A. Winnicki: Cyber-Physical Systems Security: Experimental Analysis of a Vinyl Acetate Monomer Plant. Proceedings of the 1st ACM Workshop on Cyber-Physical System Security, pp. 1-12, Singapore, 2015.	D	workshop nelistat (ACM Digital Library)	1
M. Krotofil, A. Isakov, A. Winnicki, D. Gollmann, J. Larsen, P. Gurikov: Rocking the pocket book: Hacking chemical plants for competition and extortion, Black Hat 2015, Las Vegas, 2015.	D	conferință nelistată (Google Scholar)	1

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Lucrare care citează	Categoria	Justificare	Puncte
S.K. Khaitan, and J.D. McCalley: Design Techniques and Applications of Cyberphysical Systems: A Survey, Systems Journal, IEEE , vol. 9, no. 2, pp.1-16, 2015.	B	pagina 8, listă reviste 2014	4
R. Santini, C. Foglietta, S. Panzieri: Evidence theory for Smart Grid diagnostics. Innovative Smart Grid Technologies Europe (ISGT EUROPE), 2013 4th IEEE/PES , pp. 1-5, 2013.	D	conferință nelistată (IEEE Xplore)	1

HA Mantooth, Y Liu, C Farnell, F Zhang: Securing DC and hybrid microgrids, DC Microgrids (ICDCM), 2015 IEEE First International Conference on, Atlanta, GA, pp. 285-286c, 2015	D	conferință nelistată (IEEE Xplore)	1
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K Folkert, M Fojcik: Ontology-Based Integrated Monitoring of Hadoop Clusters in Industrial Environments with OPC UA and RESTful Web Services, Computer Networks Volume 522 of the series Communications in Computer and Information Science, pp. 162-171, 2015.	D	capitol carte (Springer)	0.5
A Maiti, AA Kist, AD Maxwell: Components relationship analysis in distributed remote laboratory apparatus with data clustering, Industrial Electronics (ISIE), 2015 IEEE 24th International Symposium on, Buzios, Rio de Janeiro, Brazil, pp. 797-802, 2015	D	conferință nelistată (IEEE Xplore)	0.5

Lucrare citată	Autori	Punctaj realizat	
C. Siaterlis, and B. Genge: Cyber-physical testbeds. Communications of the ACM, Vol. 57, No. 6, pp. 64-73, June 2014.	2	8	
Lucrare care citează	Categoria	Justificare	Puncte
D. Bhor, K. Angappan, K. M. Sivalingam: Network and power-grid co-simulation framework for Smart Grid wide-area monitoring networks, Journal of Network and Computer Applications, vol. 59, pp. 274-284, 2016.	B	pagina 11, lista reviste 2014	4
H Holm, M Karresand, A Vidström, E Westring: A Survey of Industrial Control System Testbeds. Secure IT Systems, Volume 9417 of the series Lecture Notes in Computer Science, pp. 11-26, 2015.	C	LNCS	2
G. Koutsandria, R. Gentz, M. Jamei, A. Scaglione, S. Peisert, C. McParland: A Real-Time Testbed Environment for Cyber-Physical Security on the Power Grid, Proceedings of the First ACM Workshop on Cyber-Physical Systems-Security and/or PrivaCy, pp. 67-78, 2015.	D	workshop nelistat (ACM Digital Library)	1
KA Farris, G Cybenko: Quantification of moving target cyber defenses, Proc. SPIE 9456, Sensors, and Command, Control, Communications, and Intelligence (C3I) Technologies for Homeland Security, Defense, and Law Enforcement XIV, 94560L (May 23, 2015).	D	conferință nelistată (ISI Proc.)	1

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K Zhou, S Yang: A framework of service-oriented operation model of China's power system, Renewable and Sustainable Energy Reviews, Volume 50, October 2015, pp. 719–725, 2015.	A	conform serviciului Web: http://informatica-universitaria.ro/php/index.html	8
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M. S. Hossain: QoS-aware service composition for distributed video surveillance. Multimedia Tools and Applications, vol. 73, no. 1, pp 169-188, 2014.		B	pagina 12, listă reviste 2014	4

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Lucrare care citează		Categoria	Justificare	Puncte
JK Roy, SC Mukhopadhyay: Monitoring Water in Treatment and Distribution System, Next Generation Sensors and Systems Volume 16 of the series Smart Sensors, Measurement and Instrumentation, pp. 257-287, 2015		D	capitol carte (Springer)	1

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B. Genge, D.A. Rusu, and P. Haller: A Connection Pattern-based Approach to Detect Network Traffic Anomalies in Critical Infrastructures. 2014 ACM European Workshop on System Security (EuroSec2014), Amsterdam, The Netherlands, pp. 1-6, 2014.		3	1
Lucrare care citează		Categoria	Justificare
Éric Freyssinet: Lutte contre les botnets: analyse et stratégie. PhD Thesis, Université Pierre et Marie Curie, 2015. France.		D	teză de doctorat (Google Scholar)
			Puncte
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A. Beres, B. Genge, and I. Kiss: A Brief Survey on Smart Grid Data Analysis in the Cloud. 8th International Conference Interdisciplinarity in Engineering, INTER-ENG 2014, 9-10 October 2014, Tirgu Mures, Romania, vol. 19, Procedia Technology, pp. 858–865, 2015.		3	1
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YVP Kumar, R Bhimasingu: Key Aspects of Smart Grid Design for Distribution System Automation: Architecture and Responsibilities. SMART GRID TECHNOLOGIES, Procedia Technology, Volume 21, 2015, pp. 352–359, 2015.		D	conferință nelistată (Elsevier Science)
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Yong Peng, Chong Xiang, Haihui Gao, Dongqing Chen, Wang Ren: Industrial Control System Fingerprinting and Anomaly Detection. J. Butts and S. Sheno (Eds.), Critical Infrastructure Protection IX IFIP Advances in Information and Communication Technology, vol. 466, pp. 73-85, Springer, 2015.		D	capitol carte (Springer)
			Puncte
			0.33

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R. Potop, O. Iovanici, B. Genge, and P. Haller: A Fault Tolerant Peer-to-Peer Replication Network. 9th RoEduNet IEEE International Conference, Sibiu, Romania, pp. 196-201, 2010.		4	0.5
Lucrare care citează	Categoria	Justificare	Puncte
D. Bajpai, M. Vardhan, and D.S. Kushwaha: Ensuring Security in On-demand File Replication System. Computer and Communication Technology (ICCCT), 2012 Third International Conference on, pp. 315-320, 2012.	D	conferință nelistată (IEEE Xplore)	0.5

d) PERFORMANȚA ACADEMICĂ

Cărți autor/editate și capitole publicate	15.33
Director/editor al unei reviste	3
Director (coordonator) membru al unui grant/proiect/contract/program de cercetare național/internațional	26
Membru în comitetul științific (de program) al unor conferințe, zimpozioane, workshop-uri	10
Organizare evenimente științifice	2
Keynote/Invited speaker la evenimente/universități	1
Profesor/researcher asociat/visiting la o universitate	2
Consolidare echipe de cercetare	12
Dezvoltarea de pachete și instrumente software	4
Premii și alte merite	6
TOTAL	81.33

Cărți autor/editate și capitole publicate				15.33
Nr.	Lucre	Autori	Categoria	Puncte
1	B. Genge: Introducere în implementarea aplicațiilor criptografice. Editura Univ. "Petru Maior", Tirgu Mures, 2013, 190 pagini, ISBN 978-606-581-094-5.	1	Carte Editura nelistată	2
2	B. Genge, P. Haller: Proiectarea sistemelor dedicate si incorporate cu microcontrolerul PIC. Editura Univ. "Petru Maior", Tirgu Mures, 2008, 188 pagini, ISBN 978-973-7794-79-6.	2	Carte Editura nelistată	2
3	A.V. Duka, B. Genge, P. Haller: Sisteme cu microprocesoare. Microcontrolerul PIC 18F4455. Editura Univ. "Petru Maior", Tirgu Mures, 2013, 305 pagini, ISBN 978-973-7794-99-4.	3	Carte Editura nelistată	2
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.	5	Capitol de carte Editura categoria B (Springer) Poziția 37, clasament WASS-SENSE 2011	1.33
5	B. Genge, I. Nai Fovino, C. Siaterlis, and 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.	4	Capitol de carte Editura categoria B (Springer) Poziția 89, clasament WASS-SENSE 2011	2
6	C. Siaterlis, B. Genge, M. Hohenadel, and M. Del Pra: Enabling the Experimental Exploration of	4	Capitol de carte	2

	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, IFIP Advances in Information and Communication Technology, Critical Infrastructure Protection VI, Springer, pp. 217-233, 2012.		Editura categoria B (Springer) Poziția 89, clasament WASS-SENSE 2011	
7	B. Genge , P. Haller, and O. Ratoi: Constructing Security Protocol Specifications for Web Services. 2nd International Symposium on Intelligent and Distributed Computing, in Studies In Computational Intelligence, vol. 162, Intelligent Distributed Computing, Springer-Verlag Berlin Heidelberg, pp. 245-250, 2008.	3	Capitol de carte Editura categoria B (Springer) Poziția 89, clasament WASS-SENSE 2011	4

Director/editor al unei reviste				3
Nr.	Revista	Categoriea		Puncte
1	International Journal of Computer Networks & Communications (IJCNC)	Revistă nelistată (Google Scholar)		3

Director (coordonator) membru al unui grant/proiect/contract/program de cercetare național/internațional				26
Nr.	Grant/Proiect	Funcție	Categoriea	Puncte
1	2014-2018: FP7 Marie Curie Career Integration Grant intitulat "SERENITI: Cyber security and resilience of networked critical infrastructures", PCIG14-GA-2013-631128.	Director	100.000 – 199.999 EUR	6
2	2016 (Ianuarie/Februarie– Iunie/Iulie): Grant de cercetare intitulat "SDIIT: Software Defined Industrial Internet of Things" finanțat de "Accenture Industrial Software Solutions (AISS) grant program for Universities for IoT activity".	Director	< 50.000 EUR	2
3	2014-2015: Grant de cercetare post-doctoral finanțat prin Programul Operational Sectorial Dezvoltarea Resurselor Umane intitulat „Tehnici non-intruzive pentru identificarea lanțurilor de vulnerabilități în sisteme distribuite” (POSDRU/159/1.5/S/133652 POSDRU COMMSCIE).	Director	< 50.000 EUR	2
4	2010-2013: Grant de cercetare post-doctoral intitulat "Network security in industrial settings" acordat de Institute for the Protection and Security of the Citizen, Joint Research Centre, Ispra, Italy, IPSC-G06-13.	Director	100.000 – 199.999 EUR	6
5	2012-2014: Proiectul intitulat „Security of Energy Systems” finanțat de DG-HOME, European Commission (HOME/2011/CIPS/AG/4000002096, 30-CE-0488214/00-30)	Membru	>= 200.000 EUR	4
6	2009-2011: Proiectul intitulat „Innovative tools and models for Vocational Education and Training in Central and Western Romania (MoVE-IT)”, EEA Grants.	Membru	>= 200.000 EUR	4
7	2010-2012: Proiectul intitulat „Electronic Health Records for the Next Generation Medical Decision	Membru	< 50.000 EUR	1

	Support in Romanian and Bulgarian National Healthcare Systems”, 2007-2013-PN II, ANCS: 461CB/23.10.2010.			
8	2011-2012: Proiectul intitulat „Hybrid Medical Complex Systems”, 2007-2013-PN II, ANCS: 476/07.03.11.	Membru	< 50.000 EUR	1

Membru în comitetul științific (de program) al unor conferințe, zimpozioane, workshop-uri				10
Nr.	Conferința	Categoria	Justificare	Puncte
1	WORLDCOMP 2013, The 2013 International Conference on Security and Management, Las Vegas, USA.	C	Poziția 1504, lista conferințe 2014	1
2	WORLDCOMP 2014, The 2014 International Conference on Security and Management, Las Vegas, USA.	C	Poziția 1504, lista conferințe 2014	1
3	WORLDCOMP 2015, The 2015 International Conference on Security and Management, Las Vegas, USA.	C	Poziția 1504, lista conferințe 2014	1
4	WORLDCOMP 2016, The 2016 International Conference on Security and Management, Las Vegas, USA.	C	Poziția 1504, lista conferințe 2014	1
5	TENSYMP, India, 2015.	D	Conferință nelistată (IEEE Xplore)	0.5
6	The Third International conference on Networks & Communications (NeCoM-2011), Chennai, India, 2011.	D	Conferință nelistată (Springer)	0.5
7	The Second International Conference on Advances in Computing and Information Technology, Chennai, India, 2012.	D	Conferință nelistată (Springer)	0.5
8	3rd International Symposium for ICS & SCADA Cyber Security Research, Ingolstadt, Germany, 2015.	D	Conferință nelistată (ACM Digital Library)	0.5
9	International Workshop on Cyber Crime, Toulouse, France, 2015.	D	Workshop nelistat (CPS)	0.5
10	International Workshop on Cyber Crime, Salzburg, Austria, 2016.	D	Workshop nelistat (CPS)	0.5
11	International Conference on Interdisciplinarity in Engineering (Inter-Eng), Tg. Mures, Romania, 2013.	D	Conferință nelistată (Elsevier Science)	0.5
12	The fourth International Conference Global Health Challenges, Nice, France, 2015.	D	Conferință nelistată (ThinkMind Digital Library)	0.5
13	First ACM Workshop on Cyper-Physical Systems Security & Privacy (CPS-SPC), In conjunction with 22nd ACM Conference on Computer and Communications Security (CCS), Denver, Colorado, USA, Oct. 2015.	D	Workshop nelistat (ACM Digital Library)	0.5

14	The 5th International Conference on Recent Achievements in Mechatronics, Automation, Computer Sciences and Robotics, MACRO 2015, Tргу Mures, Romania, 2015.	D	Conferință nelistată (DeGruyter)	0.5
15	The 7th International Conference on Computer Science and its Applications (CSA-15), Cebu, Philippines, 2015.	D	Conferință nelistată (Springer)	0.5
16	9th EAI International Wireless Internet Conference, December 19–21, Sanya, People’s Republic of China, 2016.	D	Conferință nelistată (DBLP, Google Scholar)	0.5

Organizare evenimente științifice				2
Nr.	Eveniment		Funcție	Puncte
1	International Conference on Interdisciplinarity in Engineering (Inter-Eng), Tg. Mures, Romania, 2014		Membru	1
2	International Conference on Interdisciplinarity in Engineering (Inter-Eng), Tg. Mures, Romania, 2015		Membru	1

Keynote/Invited speaker la evenimente/universități				1
Nr.	Conferința	Categoria	Justificare	Puncte
1	International Conference on Interdisciplinarity in Engineering (Inter-Eng), Tg. Mures, Romania, 2014	D	Conferință nelistată (Elsevier Science)	1

Profesor/researcher asociat/visiting la o universitate					2
Nr.	Universitate	Rolul	Perioada	Categoria	Puncte
1	Universitatea din Debrecen	Researcher asociat (contract finanțat de Universitatea Debrecen pentru a desfășura activități de cercetare în cadrul laboratorului Internet of Things)	Iunie și Noiembrie 2014 – 2 luni	Loc 591 (top 1000)	2

Consolidare echipe de cercetare					12
Nr.	Echipe	Membri	Ani	Rezultate	Puncte
1	Cyber security and resilience of networked critical infrastructures	Genge Béla Haller Piroska Sándor Hunor Kiss István Bereş Adela Graur Flavius	2014-2015	<p>Echipea își desfășoară activitatea în cadrul proiectului FP7, SERENITI (http://upm.ro/sereniti/team.html) al cărei director este Béla Genge.</p> <p>Selecție de publicații comune sub îndrumarea candidatului:</p> <ul style="list-style-type: none"> - 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. - B. Genge, F. Graur, P. Haller: Experimental Assessment of Network Design Approaches for Protecting Industrial Control Systems, International Journal of Critical Infrastructure Protection, Elsevier, 2015 - B. Genge, I. Kiss, and P. Haller: A System Dynamics Approach to Assess the Impact of Cyber Attacks in Critical Infrastructures, Ninth IFIP WG 11.10 Int'l Conf. on Critical Infrastructure Protection, SRI, Arlington, Washington DC, USA, 2015 (To Appear). - S. Hunor, B. Genge, and G. Zoltan: Security Assessment of Modern Data Aggregation Platforms in the Internet of Things, International Symposium on Digital Forensics and Security, Ankara, Turkey, 2015 (Accepted). - B. Genge, P. Haller, A. Gligor, and A. Beres: An Approach for Cyber Security Experimentation Supporting Sensei/IoT for Smart Grid. Second International Symposium on Digital Forensics and Security, Houston, Texas, USA, pp. 37-42, May 2014. - B. Genge, A. Beres, and 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. - A. Beres, B. Genge, and I. Kiss: A Brief Survey on Smart Grid Data Analysis in the Cloud. Inter-Eng 2014, Tg. Mures, Romania, pp. 858-865, 2014. 	12

				<p>Echipea completă este disponibilă pe pagina Web a proiectului SERENITI: http://upm.ro/sereniti/team.html</p> <p>Lista completă a publicațiilor echipei: http://www.ibs.ro/~bela/publications.html</p>	
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Dezvoltarea de pachete și instrumente software				4
Nr.	Produs	Pagină Web	Autori	Puncte
1	AMICI: An Assessment Platform for Multi-Domain Security Experimentation on Critical Infrastructures.	http://sourceforge.net/projects/amici/	<p>B. Genge, C. Siaterlis, M. Hohenadel</p> <p>Publicație: B. Genge, C. Siaterlis, and 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.</p>	2
2	SPEAR: A Connection Pattern-based Approach to Detect Network Traffic Anomalies in Critical Infrastructures	http://www.ibs.ro/~bela/conpat.html	<p>B. Genge, D.A. Rusu, P. Haller</p> <p>Publicație: B. Genge, D.A. Rusu, and P. Haller: A Connection Pattern-based Approach to Detect Network Traffic Anomalies in Critical Infrastructures. 2014 ACM European Workshop on System Security (EuroSec2014), Amsterdam, The Netherlands, pp. 1-6, 2014.</p>	2

Premii și alte merite	6
2015 – Best Paper Award: 13th International Conference on Industrial Informatics, Cambridge, UK (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).	
2015 – Best paper Award: The 5th International Conference on Recent Achievements in Mechatronics, Automation, Computer Sciences and Robotics, MACRO 2015, Tîrgu Mureș, Romania (B. Genge, C. Enachescu: Non-Intrusive Historical Assessment of Internet-Facing Services in the Internet of Things, Proc. of MACRO 2015, Univ. of Sapiientia, Tg. Mures, Romania)	
2015 – Top 5 Best Papers: Ninth IFIP WG 11.10 Int'l Conf. on Critical Infrastructure Protection, SRI, Arlington, Washington DC, USA, 2015 – paper was selected for publication in	

the International Journal of Critical Infrastructure Protection, Elsevier (B. Genge, I. Kiss, P. Haller: A System Dynamics Approach to Assess the Impact of Cyber Attacks on Critical Infrastructures, International Journal of Critical Infrastructure Protection, Elsevier, 2015 Volume 10, pp. 3-17, 2015)
2015 – UEFISCDI Premiarea rezultatelor Științifice: PRECISI-2015, Titlu articol: “A system dynamics approach for assessing the impact of cyber attacks on critical infrastructures”: http://uefiscdi.gov.ro/userfiles/file/PREMIERE_ARTICOLE/ARTICOLE%202015/REZULTATE/Rezultate%20evaluare_lista%2020.11.2015(1).pdf
2014 – Interviu: Security Europe Magazine, Bruxelles: <i>New simulation tool allows realistic testing of sub-components of a critical infrastructure's cyber network and process control software.</i>
2014 – Certificate of outstanding contribution in reviewing: revista Computers and Electrical Engineering, Elsevier, Noiembrie 2014..
2014 – UEFISCDI Premiarea rezultatelor Științifice: PN-II-RU-PRECISI-2014-8-5770, Titlu articol: “Cyber-physical testbeds”: http://uefiscdi.gov.ro/userfiles/file/PREMIERE_ARTICOLE/ARTICOLE%202014/LISTA%20%20REZULTATE%20ARTICOLEE.pdf
2013 – Top 5 Best Papers: Seventh Annual IFIP WG 11.10 International Conference on Critical Infrastructure Protection, Marshall Hall, George Washington University, Washington, DC, USA, 2013 – paper was selected for publication in the International Journal of Critical Infrastructure Protection, Elsevier (B. Genge, C. Siaterlis: Analysis of the Effects of Distributed Denial-of-Service Attacks on MPLS Networks. International Journal of Critical Infrastructure Protection, Elsevier, Volume 6, Issue 2, pp. 87-95, 2013.)
2012 – Expert contribution to: ENISA’s Smart Grid Security Recommendations.
2011 – Expert contribution to: ENISA’s recommendations for Europe and Member States on „Protecting Industrial Control Systems”.
Recenzor invitat reviste: <ul style="list-style-type: none"> - International Journal of Critical Infrastructure Protection, Elsevier - Ad Hoc Networks, Elsevier - Computers and Electrical Engineering, Elsevier - IEEE Transactions on Emerging Topics in Computing - IEEE Transactions on Smart Grid - Journal of Information Processing - IEEE Computer Magazine - Mobile Networks and Applications - International Journal of Computer Networks & Communications - International Journal of New Computer Architectures and their Applications.