

## ANEXA 2

### Fișă de autoevaluare privind standardele minimale pe domenii ale universității

**Candidat: Lector Dr. Emanuel Onica**  
**Poziția de concurs: Conferențiar universitar**

**Perspectiva a): etica cercetării - se evaluează de către comisie**

**Perspectiva b): producția științifică**

**Total curent publicații: 41,40 puncte (din care 41,40 puncte din publicații cel puțin rang B)**

**În curs de evaluare:** 2 articole în IEEE International Symposium on Reliable Distributed Systems - SRDS (rang A)

**Publicații fără punctaj:**

- 5 articole în ACM International Conference on Distributed and Event Based Systems (DEBS) din care 3 premiate
- 1 fast abstract în IEEE/IFIP International Conference on Dependable Systems and Networks (DSN)
- 1 articol în Knowledge Engineering: Principles and Techniques Conference (KEPT)

**Criterii conf. univ.: 32 puncte (din care 16 puncte din publicații cel puțin rang B)**

Punctaj: tip A\* – 12 pct; tip A – 8 pct; tip B – 4 pct; tip C – 2 pct; tip D – nu se consideră  
Punctajul se împarte la numărul de autori minus 2 (minim 1 factor împărțire)

<b>Titlu articol publicat – conferințe indexate CORE și reviste</b>	<b>Autori</b>	<b>Rang</b>	<b>Puncte</b>
"From Confidential kNN Queries to Confidential Content Based Publish/Subscribe" (E. Onica, H. Mercier, E. Rivière), Proceedings of the 14th International Conference on Software Technologies, ICSOFT 2019 (accepted, in press)	3	B	4
"Towards Integrated Failure Recovery for Web Service Composition" (P. Diac, E. Onica), Proceedings of the 14th International Conference on Software Technologies, ICSOFT 2019 (accepted, in press)	2	B	4
"Trust and Privacy in Development of Publish/Subscribe Systems" (E. Onica, H. Mercier, E. Rivière), Proceedings of the 28th International Conference on Information Systems Development, ISD 2019 (accepted, in press)	3	A	8
"Reliable Messaging to Millions of Users with MigratoryData" (M. Rotaru, F. Olariu, E. Onica, E. Rivière), Proceedings of the 18th Annual ACM/IFIP/USENIX Middleware Conference, Middleware 2017	4	A	4
"A Lightweight MapReduce Framework for Secure Processing with SGX" (R. Pires, D. Gavril, P. Felber, E. Onica, M. Pasin), Proceedings of the 17th IEEE/ACM International Symposium on Cluster, Cloud and Grid Computing, CCGRID 2017	5	A	2,66
"Efficient and Confidentiality-Preserving Content-Based Publish/Subscribe with Prefiltering" (R. Barazzutti, E. Onica, P. Felber, H. Mercier, E. Rivière), IEEE Transactions on Dependable and Secure	5	A*	4

Computing, Vol. 14, Issue 3, 2017			
"Confidentiality-Preserving Publish/Subscribe: A Survey" (E. Onica, P. Felber, H. Mercier, E. Rivière), ACM Computing Surveys (CSUR), Vol. 49, Issue 2, 2016	4	A*	6
"Efficient Key Updates through Subscription Re-encryption for Privacy-Preserving Publish/Subscribe" (E. Onica, P. Felber, H. Mercier, E. Rivière), Proceedings of the 16th Annual ACM/IFIP/USENIX Middleware Conference, Middleware 2015	4	A	4
"Elastic Scaling of a High-Throughput Content-Based Publish/Subscribe Engine" (R. Barazzutti, T. Heinze, A. Martin, E. Onica, P. Felber, C. Fetzer, Z. Jerzak, M. Pasin, E. Rivière), Proceedings of the 34th IEEE International Conference on Distributed Computing Systems, ICDCS 2014	9	A	1,14
"Performance/Security Tradeoffs for Content-Based Routing Supported by Bloom Filters" (H. Mercier, E. Onica, E. Rivière, P. Felber), Proceedings of the 20th International Colloquium on Structural Information and Communication Complexity, SIROCCO 2013	4	B	2
"Infrastructure Provisioning for Scalable Content-Based Routing: Framework and Analysis" (R. Barazzutti, P. Felber, H. Mercier, E. Onica, J.F. Pineau, E. Rivière, C. Fetzer), Proceedings of the 11th Annual IEEE International Symposium on Network Computing and Applications, NCA 2012	7	A	1,6

<b>Titlu articol publicat – fără punctaj conform criteriilor<sup>1</sup></b>	<b>Rang</b>
"Cell Grid Architecture for Maritime Route Prediction on AIS Data Streams" (C. Amariei, P. Diac, E. Onica, V. Roșca), Proceedings of the 12th ACM International Conference on Distributed and Event-based Systems, DEBS 2018 – Grand Challenge track – <i>DEBS Grand Challenge Winner Award</i>	-
"Predicting Destinations by Nearest Neighbor Search on Training Vessel Routes" (V. Roșca, E. Onica, P. Diac, C. Amariei), Proceedings of the 12th ACM International Conference on Distributed and Event-based Systems, DEBS 2018 – Grand Challenge track	-
"Optimized Stage Processing for Anomaly Detection on Numerical Data Streams: Grand Challenge" (C. Amariei, P. Diac, E. Onica) – Proceedings of the 11th ACM International Conference on Distributed and Event-based Systems, DEBS 2017 – Grand Challenge track – <i>DEBS Grand Challenge Winner Award</i>	-
"Towards Scalable and Dependable Privacy-Preserving Publish/Subscribe Services" (E. Onica, P. Felber, H. Mercier, E. Rivière), The 46th Annual IEEE/IFIP International Conference on Dependable Systems and Networks, DSN 2016 – Fast Abstract	A
"StreamHub: a Massively Parallel Architecture for High-Performance Content-Based Publish/Subscribe" (R. Barazzutti, P. Felber, C. Fetzer, E. Onica, J.F. Pineau, M. Pasin, E. Rivière, S. Weigert), Proceedings of the 7th ACM International Conference on	-

<sup>1</sup> Conferința DEBS – ACM International Conference on Distributed Event-Based Systems nu apare cotate în lista CORE utilizată în clasificarea CNATDCU. Respectivul forum a fost însă organizat ca workshop asociat ICDCS (clasificat tip A) până în anul 2006, moment din care s-a desprins ca eveniment de sine stătător organizat sub egida ACM SIGSoft și ACM SIGMOD. Conform statisticilor ACM DL conferința are o rată medie de acceptare de sub 30% pentru trackul principal (sub 40% pentru ultimele două ediții).

Distributed Event-Based Systems, DEBS 2013 – Main conference track – <i>Best Paper Award</i>	
"Thrifty Privacy: Efficient Support for Privacy-Preserving Publish/Subscribe" (R. Barazzutti, P. Felber, H. Mercier, E. Onica, E. Rivière), The 6th ACM International Conference on Distributed Event-Based Systems, DEBS 2012 – Main conference track	-
"Enhancing Yahoo! Search Results using Linked Open Data" (C. Amariei, E. Onica, S. Buraga), Proceedings of the Knowledge Engineering: Principles and Techniques Conference 2nd Edition, KEPT 2009	-

<b>Articole în curs de evaluare</b>	<b>Rang</b>
"Fair and Efficient Gossip in Hyperledger Fabric" (N. Berendea, H. Mercier, E. Onica, E. Rivière) - 38th IEEE International Symposium on Reliable Distributed Systems – SRDS 2019	A
"Supply Chain Malware Targets SGX: Take Care of What You Sign" (A. Mogage, R. Pires, V. Crăciun, P. Felber, E. Onica) - 38th International Symposium on Reliable Distributed Systems – SRDS 2019	A

**Perspectiva c): impactul rezultatelor****Total (exclusiv autor)<sup>2</sup>: 182,09 puncte (din care 163,29 puncte din forumuri cel puțin B)****Total (exclusiv grup autori): 157,34 puncte (din care 139,52 puncte din forumuri cel puțin B)****Criterii conf. univ.: 48 puncte (din care 12 puncte din forumuri cel puțin B)**

Punctaj citări: tip A\* – 12 pct; tip A – 8 pct; tip B – 4 pct; tip C – 2 pct; tip D – 1 pct

Workshopuri asociate conferințe, cu proceedings separat – jumătate din punctajul categoriei

Citări în monografii și cărți editate – conform SENSE 12/8/4/2/1 pct (1 pct edituri nelistate)

Citări în teze, rapoarte și publicații în afara listelor – 1 pct

Punctajul se împarte la numărul de autori al lucrării citate minus 2

Titlu articol citat	Autori	Puncte
<b><i>“StreamHub: a Massively Parallel Architecture for High-Performance Content-Based Publish/Subscribe” (R. Barazzutti, P. Felber, C. Fetzer, E. Onica, J.F. Pineau, M. Pasin, E. Rivière, S. Weigert), Proceedings of the 7th ACM International Conference on Distributed Event-Based Systems, DEBS 2013</i></b>	<b>8</b>	<b>22,97 (19.27 &gt;=B)</b>
Citări	Rang	
<i>Using Machine Learning to Provide Reliable Differentiated Services for IoT in SDN-Like Publish/Subscribe Middleware</i> (Y. Shi, Y. Zhang, H.-A. Jacobsen, L. Tang, G. Elliott, G. Zhang, X. Chen, J. Chen), Sensors, Volume 19, Issue 6, 2019	A	1,33
<i>Multi-GPU Approach for Development of Parallel and Scalable Pub-Sub System</i> (M.A. Shah, D. Kulkarni), Proceedings of the 3rd International Conference on Computing, Communication and Signal Processing Computing, Communication and Signal Processing, ICCASP 2018	D	0,16
<i>A distributed approach to compliance monitoring of business process event streams</i> (D. Loreti, F. Chesani, A. Ciampolini, P. Mello), Future Generation Computer Systems, Volume 82, 2018	A	1,33
<i>Expressive Content-Based Routing in Software-Defined Networks</i> (S. Bhowmik, M. A. Tariq, J. Grunert, D. Srinivasan, K. Rothermel), IEEE Transactions on Parallel and Distributed Systems, Volume 29, Issue 11, 2018	A	1,33
<i>Security, Performance and Energy Trade-Offs of Hardware-Assisted Memory Protection Mechanisms</i> (C. Göttel, R. Pires, I. Rocha, S. Vaucher, P. Felber, M. Pasin, V. Schiavoni), Proceedings of the 37th IEEE Symposium on Reliable Distributed Systems, SRDS 2018	A	1,33
<i>PubSub-SGX: Exploiting Trusted Execution Environments for Privacy-Preserving Publish/Subscribe Systems</i> (S. Arnautov, A. Brito, P. Felber, C. Fetzer, F. Gregor, R. Krahn, W. Ozga, A. Martin, V. Schiavoni, F. Silva, M. Tenorio, N. Thümmel), Proceedings of the 37th IEEE Symposium on Reliable Distributed Systems, SRDS 2018	A	1,33
<i>High Performance Publish/Subscribe Middleware in Software-Defined Networks</i> (S. Bhowmik, M. A. Tariq, B. Koldehofe, F. Durr, T. Kohler, K. Rothermel), IEEE/ACM Transactions on Networking (TON), Volume 25, Issue 3, 2017	A	1,33

<sup>2</sup> Total conform criteriilor CNATDCU ce consideră citările din publicații care nu au candidatul drept autor sau co-autor. Subtotalul punctajului din lucrările ce exclud oricare autor din cei ai lucrării citate e furnizat mai jos.

<i>SAFETHINGS: Data Security by Design in the IoT</i> (M. Barbosa, S. Ben Mokhtar, P. Felber, F. Maia, M. Matos, R. Oliveira, E. Riviere, V. Schiavoni, S. Voulgaris), Proceedings of the 13th European Dependable Computing Conference, EDCC 2017	D	0,16
<i>Content-based routing in software-defined networks</i> (S. Bhowmik), Doctoral Thesis, University of Stuttgart, 2017	D	0,16
<i>A Multiscale Approach for a Distributed Event-Based Internet of Things</i> (D. Conan, L. Lim, C. Taconet, S. Chabridon, C. Lecocq), Proceedings of 15th International Conference on Pervasive Intelligence and Computing, PICOM 2017	D	0,16
<i>Enabling Large-Scale IoT-Based Services through Elastic Publish/Subscribe</i> (S. Vavassori, J. Soriano, R. Fernández), Sensors, Volume 17, Issue 9, 2017	A	1,33
<i>Design of a Location-Based Publish/Subscribe Service Using a Graph-Based Computing Model</i> (A. Tripathi, H. Hoang), 3rd IEEE International Conference on Collaboration and Internet Computing, CIC 2017	D	0,16
<i>Brokel: Towards enabling multi-level cloud elasticity on publish/subscribe brokers</i> (V. F. Rodrigues, I. G. Wendt, R. da Rosa Righi, C. A. da Costa, J. L. V. Barbosa, A. M. Alberti), International Journal of Distributed Sensor Networks, Volume 13, Issue 8, 2017	B	0,66
<i>Secure Content-Based Routing Using Intel Software Guard Extensions</i> (R. Pires, M. Pasin, P. Felber, C. Fetzer), Proceedings of the 17th Annual ACM/IFIP/USENIX Middleware Conference, Middleware 2016	A	1,33
<i>CEPSim: Modelling and simulation of Complex Event Processing systems in cloud environments</i> (W. A. Higashino, M. A. M. Capretz, L. F. Bittencourt) Future Generation Computer Systems, Volume 65, 2016	A	1,33
<i>Hybrid Content-Based Routing Using Network and Application Layer Filtering</i> (S. Bhowmik, M. A. Tariq, L. Hegazy, K. Rothermel), Proceedings of the 36th IEEE International Conference on Distributed Computing Systems, ICDCS 2016	A	1,33
<i>Complex Event Processing as a Service in Multi-Cloud Environments</i> (W. A. Higashino), Doctoral Thesis, University of Western Ontario, 2016	D	0,16
<i>Interconnecting Online Shopping Services with Social Funding Projects</i> (S. S. Kim, Y. H. Cho, H. G. Kim), Information, Volume 19, Issue 1, 2016	D	0,16
<i>Modelling, planning and adaptive implementation of semantic event service</i> (G. Feng), Doctoral Thesis, NUI Galway, 2016	D	0,16
<i>Design and development of high performance, scalable content based publish subscribe system</i> (M. A. Shah, D. B. Kulkarni), Proceedings of the 10th ACM International Conference on Distributed and Event-based Systems, DEBS 2016	D	0,16
<i>A Novel Approach to Context-Aware Content-Based Middleware</i> (S. Vavassori), Doctoral Thesis, Universidad Politecnica de Madrid, 2016	D	0,16
<i>Adaptive Cloud Publish-Subscribe Services for Latency-Constrained Applications</i> (J. Gascon-Samson), Doctoral Thesis, McGill University, 2016	D	0,16
<i>Distributed control plane for software-defined networks: a case study using event-based middleware</i> (S. Bhowmik, M. A. Tariq, B. Koldehofe, A. Kutzleb, K. Rothermel), Proceedings of the 9th ACM International Conference on Distributed Event-Based Systems, DEBS 2015	D	0,16

<i>A Framework for Multiscale-, QoC- and Privacy-aware Context Dissemination in the Internet of Things</i> (S. Chabridon, D. Conan, T. Desprats, M. Mbarki, C. Taconet, L. Lim, P. Marie, S. Rottenberg), Proceedings of the 11th International Conference on Collaborative Computing: Networking, Applications and Worksharing, CollaborateCom 2015	C	0,33
<i>Towards Efficient Dissemination and Filtering of XML Data Streams</i> (K. Belyaev, I. Ray), Proceedings of the 13th IEEE International Conference on Dependable, Autonomic and Secure Computing, DASC 2015	C	0,33
<i>Storm Pub-Sub: High Performance, Scalable Content Based Event Matching System Using Storm</i> (M. A. Shah, D. B. Kulkarni), Proceedings of the IEEE International Parallel and Distributed Processing Symposium Workshop, IPDPSW within IPDPS 2015	B	0,66
<i>COSS: Content-Based Subscription as an IoT Service</i> (Y. Chen, J. Wang, H. Wang, S. Huang, C. Lin), Proceedings of the IEEE International Conference on Web Services, ICWS 2015	A	1,33
<i>S<sup>3</sup>-TM: scalable streaming short text matching</i> (F. Basık, B. Gedik, H. Ferhatosmanoğlu, M. E. Kalender), The VLDB Journal, Volume 24, Issue 6, 2015	A	1,33
<i>Publish/Subscribe for Large-Scale Social Interaction: Design, Analysis and Resource Provisioning</i> (V.J. Setty), Doctoral Thesis, University of Oslo, 2015	D	0,16
<i>Community-Based Intrusion Detection</i> (S. Weigert), Doctoral Thesis, TU Dresden, 2015	D	0,16
<i>Supporting Donation of Shopping Rewards to Social Funding Projects</i> (S. S. Kim, H. G. Kim), Proceedings of the International Conference of Future Information and Communication Engineering, 2015	D	0,16
<i>An Overview of Language Support for Modular Event-driven Programming</i> (S. Malakuti) Technical Report, TU Dresden, 2015	D	0,16
<i>Cost-Effective Resource Allocation for Deploying Pub/Sub on Cloud</i> (V. Setty, R. Vitenberg, G. Kreitz, G. Urdaneta, M. van Steen), Proceedings of the 34th IEEE International Conference on Distributed Computing Systems, ICDCS 2014	A	1,33
<i>Distributed event-based system with multiscoping for multiscalability</i> (L. Lim, D. Conan) Proceedings of the 9th Workshop on Middleware for Next Generation Internet Computing within Middleware 2014	B	0,66
<i>Pushing dynamic and ubiquitous event-based interactions in the Internet of services : a middleware for event clouds</i> (L. Pellegrino), Doctoral Thesis, Université Nice Sophia Antipolis, 2014	D	0,16
<i>Asset management strategy as Denver international airport approaches twenty-years-old</i> (S. Grace), Proceedings of the Asset Management Conference, 2014	D	0,16
<i>Event matching based on subscriber category in sensor cloud</i> (S.S. Grace, M.R. Sumalatha), Proceedings of the International Conference on Recent Trends in Information Technology, ICRTIT 2014	D	0,16

Titlu articol citat	Autori	Puncte
<i>"Thrifty Privacy: Efficient Support for Privacy-Preserving Publish/Subscribe"</i> (R. Barazzutti, P. Felber, H. Mercier, E. Onica, E. Rivière), <i>Proceedings of the 6th ACM International Conference on Distributed Event-Based Systems, DEBS 2012</i>	5	26,90 (21,29 >= B)
Citări	Rang	
<i>Secure search service based on word2vec in the public cloud</i> (Y. Liu, Z. Fu), <i>International Journal of Computational Science and Engineering</i> , Volume 18, Issue 3, 2019	D	0,33
<i>Security, Performance and Energy Trade-Offs of Hardware-Assisted Memory Protection Mechanisms</i> (C. Göttel, R. Pires, I. Rocha, S. Vaucher, P. Felber, M. Pasin, V. Schiavoni), <i>Proceedings of the 37th IEEE Symposium on Reliable Distributed Systems, SRDS 2018</i>	A	2,66
<i>PubSub-SGX: Exploiting Trusted Execution Environments for Privacy-Preserving Publish/Subscribe Systems</i> (S. Arnautov, A. Brito, P. Felber, C. Fetzer, F. Gregor, R. Krahn, W. Ozga, A. Martin, V. Schiavoni, F. Silva, M. Tenorio, N. Thümmel), <i>Proceedings of the 37th IEEE Symposium on Reliable Distributed Systems, SRDS 2018</i>	A	2,66
<i>Privacy-Aware and Reliable Complex Event Processing in the Internet of Things - Trust-Based and Flexible Execution of Event Processing Operators in Dynamic Distributed Environments</i> (R. Wermund), <i>Doctoral Thesis, TU Darmstadt</i> , 2018	D	0,33
<i>PICADOR: End-to-end encrypted Publish-Subscribe information distribution with proxy re-encryption</i> (C. Borcea, A. D. Gupta, Y. Polyakov, K. Rohloff, G. Ryan), <i>Future Generation Computer Systems</i> , Volume 71, 2017	A	2,66
<i>Secure Content-Based Routing Using Intel Software Guard Extensions</i> (R. Pires, M. Pasin, P. Felber, C. Fetzer), <i>Proceedings of the 17th Annual ACM/IFIP/USENIX Middleware Conference, Middleware 2016</i>	A	2,66
<i>Enhancing context data distribution for the internet of things using qoc-awareness and attribute-based access control</i> (L. Lim, P. Marie, D. Conan, S. Chabridon, T. Desprats, A. Manzoor), <i>Annals of Telecommunications</i> , Volume 71, Issue 3-4, 2016	C	0.66
<i>A survey of security solutions for distributed publish/subscribe systems</i> (A. V. Uzunov), <i>Computers &amp; Security</i> , Volume 61, 2016	A	2,66
<i>AnonPubSub: Anonymous publish-subscribe overlays</i> (J. Daubert, M. Fischer, T. Grube, S. Schiffner, P. Kikiras, M. Mühlhäuser), <i>Computer Communications</i> , Volume 76, 2016	A	2,66
<i>Anonymous Publish-Subscribe Overlays</i> (J. Daubert), <i>Doctoral Thesis, TU Darmstadt</i> , 2016	D	0,33
<i>Modelling, planning and adaptive implementation of semantic event service</i> (G. Feng), <i>Doctoral Thesis, NUI Galway</i> , 2016	D	0,33
<i>Adaptive Cloud Publish-Subscribe Services for Latency-Constrained Applications</i> (J. Gascon-Samson), <i>Doctoral Thesis, McGill University</i> , 2016	D	0,33
<i>Controlled privacy in mobile cloud</i> (D. Jana, D. Bandyopadhyay), <i>Proceedings of the 2nd IEEE International Conference on Recent Trends in Information Systems (ReTIS)</i> , 2015	D	0,33

<i>Community-Based Intrusion Detection</i> (S. Weigert), Doctoral Thesis, TU Dresden, 2015	D	0,33
<i>A Framework for Multiscale-, QoC- and Privacy-aware Context Dissemination in the Internet of Things</i> (S. Chabridon, D. Conan, T. Desprats, M. Mbarki, C. Taconet, L. Lim, P. Marie, S. Rottenberg), Proceedings of the 11th International Conference on Collaborative Computing: Networking, Applications and Worksharing, CollaborateCom 2015	C	0,66
<i>Efficient management of privacy issues in mobile cloud environment</i> (D. Jana, D. Bandyopadhyay), Proceedings of the IEEE International Advanced Computing Conference, 2015	D	0,33
<i>Quality of Service in Wide Scale Publish—Subscribe Systems</i> (P. Bellavista, A. Corradi, A. Reale), IEEE Communications Surveys & Tutorials, Volume 16, Issue 3, 2014	A*	4
<i>Management of security and privacy issues of application development in mobile cloud environment: A survey</i> (D. Jana, D. Bandyopadhyay), Proceedings of the Recent Advances and Innovations in Engineering Conference, ICRAIE 2014	D	0,33
<i>Efficient Private Publish-Subscribe Systems</i> (J. Khoury, G. Lauer, P. Pal, B. Thapa, J. Loyall), Proceedings of the 17th IEEE International Symposium on Object/Component/Service-Oriented Real-Time Distributed Computing, ISORC 2014	C	0,66
<i>Distributed and Anonymous Publish-Subscribe</i> (J. Daubert, M. Fischer, S. Schiffner, M. Mühlhäuser), Proceedings of the 7th International Conference on Network and System Security, NSS 2013	B	1,33
<i>Efficient management of security and privacy issues in mobile cloud environment</i> (D. Jana, D. Bandyopadhyay), Proceedings of the Annual IEEE India Conference, INDICON 2013	D	0,33
<i>Security of Publish/Subscribe Systems</i> (M. Ion), Doctoral Thesis, University of Trento, 2013	D	0,33

<b>Titlu articol citat</b>	<b>Autori</b>	<b>Puncte</b>
<b>"Infrastructure Provisioning for Scalable Content-Based Routing: Framework and Analysis" (R. Barazzutti, P. Felber, H. Mercier, E. Onica, J.F. Pineau, E. Rivière, C. Fetzer), Proceedings of the 11th Annual IEEE International Symposium on Network Computing and Applications, NCA 2012</b>	<b>7</b>	<b>1</b> <b>(0,8 &gt;= B)</b>
<b>Citări</b>	<b>Rang</b>	
<i>Multi-path Routing Policy for Distributed Caching System</i> (L. Yang), The Open Automation and Control Systems Journal, Volume 8, 2016	D	0,2
<i>Distributed event-based system with multiscoping for multiscalability</i> (L. Lim, D. Conan) Proceedings of the 9th Workshop on Middleware for Next Generation Internet Computing within Middleware 2014	B	0,8



Titlu articol citat	Autori	Puncte
<i>"Confidentiality-Preserving Publish/Subscribe: A Survey"</i> (E. Onica, P. Felber, H. Mercier, E. Rivi�re), <i>ACM Computing Surveys (CSUR)</i> , Vol. 49, Issue 2, 2016	4	61,5 (58 >= B)
Cit�ri	Rang	
<i>A Comprehensive Security Framework for Publish/Subscribe-Based IoT Services Communication</i> (L. Duan, C.-A. Sun, Y. Zhang, W. Ni, J. Chen), <i>IEEE Access</i> , Volume 7, 2019	A	4
<i>Collusion Defender: Preserving Subscribers' Privacy in Publish and Subscribe Systems</i> (S. Cui, S. Belguith, P. De Alwis, M. R. Asghar, G. Russello), <i>IEEE Transactions on Dependable and Secure Computing</i> , Early Access, 2019	A*	6
<i>Fog-based Secure Communications for Low-power IoT Devices</i> (L. Ferretti, M. Marchetti, M. Colajanni), <i>ACM Transactions on Internet Technology (TOIT)</i> , Volume 19, Issue 2, 2019	B	2
<i>Security and trust issues in Fog computing: A survey</i> (P.Y. Zhang, M.C. Zhou, G. Fortino), <i>Future Generation Computer Systems</i> , Volume 88, 2018	A	4
<i>Mechanism Transitions in Publish/Subscribe Systems</i> (B. Richerzhagen), Springer International Publishing, ISBN 978-3-319-92570-7	B	2
<i>Malicious Entities are in Vain: Preserving Privacy in Publish and Subscribe Systems</i> (S. Cui, S. Belguith, P. D. Alwis, M. R. Asghar, G. Russello), <i>Proceedings of the 17th IEEE International Conference On Trust, Security And Privacy In Computing And Communications, TrustCom 2018</i>	A	4
<i>Distributed Group Key Management for Event Notification Confidentiality among Sensors</i> (C. Esposito, M. Ficco, A. Castiglione, F. Palmieri, A. De Santis), <i>IEEE Transactions on Dependable and Secure Computing</i> , Early Access, 2018	A*	6
<i>Secure publish and subscribe systems with efficient revocation</i> (S. Belguith, S. Cui, M. R. Asghar, G. Russello), <i>Proceedings of the 33rd Annual ACM Symposium on Applied Computing, SAC 2018</i>	B	2
<i>Secret Sharing in Pub/Sub Using Trusted Execution Environments</i> (J. Munster, H.-A. Jacobsen), <i>Proceedings of the 12th ACM International Conference on Distributed and Event-based Systems, DEBS 2018</i>	D	0,5
<i>Design and Implementation of a Hardware Versatile Publish-Subscribe Architecture for the Internet of Things</i> (F.T. El-Hassan, D. Ionescu), <i>IEEE Access</i> , Volume 6, 2018	A	4
<i>An Android-Based Solution for Solar Power Harvesting and Irrigation Using IoT</i> (S. Kumari, V. Modani, S. Oswal, S. S. Sarma, P. Kulkarni), <i>Proceedings of the International Conference on Intelligent Data Communication Technologies and Internet of Things, ICICI 2018</i>	D	0,5
<i>PubSub-SGX: Exploiting Trusted Execution Environments for Privacy-Preserving Publish/Subscribe Systems</i> (S. Arnautov, A. Brito, P. Felber, C. Fetzer, F. Gregor, R. Krahn, W. Ozga, A. Martin, V. Schiavoni, F. Silva, M. Tenorio, N. Th�mmel), <i>Proceedings of the 37th IEEE Symposium on Reliable Distributed Systems, SRDS 2018</i>	A	4
<i>Privacy-Aware and Reliable Complex Event Processing in the Internet of Things - Trust-Based and Flexible Execution of Event Processing Operators in Dynamic Distributed Environments</i> (R. Wermund), <i>Doctoral Thesis, TU Darmstadt</i> , 2018	D	0,5

<i>A Secure Privacy-Preserving Mutual Authentication Scheme for Publish-Subscribe Fog Computing</i> (F. M. Salem), Proceedings of the 14th International Computer Engineering Conference, ICENCO 2018	D	0,5
<i>EMA-LAB: Efficient Multi Authorisation Level Attribute Based Access Control</i> (N. Kaaniche, S. Belguith, G. Russello), Proceedings of the International Conference on Network and System Security, NSS 2018	B	2
<i>Towards End-to-end Privacy for Publish/Subscribe Architectures in the Internet of Things</i> (S. Coroller, S. Chabridon, M. Laurent, D. Conan, J. Leneutre), Proceedings of the 5th Workshop on Middleware and Applications for the Internet of Things within Middleware 2018	B	2
<i>University Notification Subscription System using Amazon Web Service</i> (B. H. Malik, Z. M. Dar, S. M. Kayani, M. Dar, M. H. Shafiq, I. Kabir, F. Masood, H. Zakriya, A. Ali), International Journal of Advanced Computer Science and Applications, Volume 9, Issue 5, 2018	D	0,5
<i>Building Energy Modelling and Monitoring by Integration of IoT Devices and Building Information Models</i> (L. Bottaccioli, A. Aliberti, F. Ugliotti, E. Patti, A. Osello, E. Macii, A. Acquaviva), Proceedings of the 41st IEEE Annual Computer Software and Applications Conference, COMPSAC 2017	B	2
<i>PCP: A Privacy-Preserving Content-Based Publish-Subscribe Scheme With Differential Privacy in Fog Computing</i> (Q. Wang, D. Chen, N. Zhang, Z. Ding, Z. Qin), IEEE Access, Volume 5, 2017	A	4
<i>MESA: An Efficient Matching Scheme in Content-Based Publish/Subscribe System with Simplified Bayesian Approach</i> (Q. Wang, D. Chen, Z. Ding, Z. Qin, Z. Qin), Proceedings of the 3rd International Conference on Big Data Computing and Communications, BIGCOM 2017	D	0,5
<i>PACS: An Efficient Publish-Subscribe System with Secure Attribute-Based Access Control Scheme in IoT Context</i> (Q. Wang, D. Chen, Z. Ding, Z. Qin, Z. Qin), Journal of Electronic Science and Technology, Online First, 2017	D	0,5
<i>Secure Content-Based Routing Using Intel Software Guard Extensions</i> (R. Pires, M. Pasin, P. Felber, C. Fetzer), Proceedings of the 17th Annual ACM/IFIP/USENIX Middleware Conference, Middleware 2016	A	4
<i>Seamless Transitions between Filter Schemes for Location-Based Mobile Applications</i> (B. Richerzhagen, N. Richerzhagen, J. Zobel, S. Schönherr, B. Koldehofe, R. Steinmetz), IEEE 41st Conference on Local Computer Networks, LCN 2016	A	4
<i>Realizing IoT service's policy privacy over publish/subscribe-based middleware</i> (Y. Zhang, S. Chen, S. Wang, B. Cheng, J. Chen), SpringerPlus, Volume 5, 2016	B	2

Titlu articol citat	Autori	Puncte
<i>"Elastic Scaling of a High-Throughput Content-Based Publish/Subscribe Engine"</i> (R. Barazzutti, T. Heinze, A. Martin, E. Onica, P. Felber, C. Fetzer, Z. Jerzak, M. Pasin, E. Rivière), <i>Proceedings of the 34th International Conference on Distributed Computing Systems, ICDCS 2014</i>	9	13,79 (11,97 >= B)
Citări	Rang	
<i>QoS-Aware Resource Allocation for Mobile IoT Pub/Sub Systems</i> (R. Gomes, G. Bouloukakis, F. Costa, N. Georgantas, R. da Rocha), <i>Proceedings of the International Conference on Internet of Things, ICIOT 2018</i>	D	0,14
<i>Scalable Edge Computing for Low Latency Data Dissemination in Topic-Based Publish/Subscribe</i> (S. Khare, H. Sun, K. Zhang, J. Gascon-Samson, A. Gokhale, X. Koutsoukos, H. Abdelaziz), <i>Proceedings of the IEEE/ACM Symposium on Edge Computing, SEC 2018</i>	D	0,14
<i>PubSub-SGX: Exploiting Trusted Execution Environments for Privacy-Preserving Publish/Subscribe Systems</i> (S. Arnautov, A. Brito, P. Felber, C. Fetzer, F. Gregor, R. Krahn, W. Ozga, A. Martin, V. Schiavoni, F. Silva, M. Tenorio, N. Thümmel), <i>Proceedings of the 37th IEEE Symposium on Reliable Distributed Systems, SRDS 2018</i>	A	1,14
<i>Distributed systems for spatio-textual data streams</i> (Z. Chen), <i>Doctoral Thesis, Nanyang Technological University, Singapore, 2018</i>	D	0,14
<i>An Innovative Approach to Improve Elasticity and Performance of Message Brokers for Green Smart Cities</i> (V. Rampérez, J. Soriano, D. Lizcano, J. A. Lara), <i>Proceedings of the 4th International Conference on Engineering &amp; MIS, ICEMIS 2018</i>	D	0,14
<i>High Performance Publish/Subscribe Middleware in Software-Defined Networks</i> (S. Bhowmik, M. A. Tariq, B. Koldehofe, F. Durr, T. Kohler, K. Rothermel), <i>IEEE/ACM Transactions on Networking (TON), Volume 25, Issue 3, 2017</i>	A	1,14
<i>Distributed Publish/Subscribe Query Processing on the Spatio-Textual Data Stream</i> (Z. Chen, G. Cong, Z. Zhang, T.Z.J. Fuz, L. Chen), <i>Proceedings of the 33rd IEEE International Conference on Data Engineering, ICDE 2017</i>	A*	1,71
<i>Efficient covering for top-k filtering in content-based publish/subscribe systems</i> (K. Zhang, M. Sadoghi, V. Muthusamy, H.-A. Jacobsen), <i>Proceedings of the 18th ACM/IFIP/USENIX Middleware Conference, Middleware 2017</i>	A	1,14
<i>An Autonomous and Dynamic Coordination and Discovery Service for Wide-Area Peer-to-peer Publish/Subscribe</i> (K. An, S. Khare, A. Gokhale, A. Hakiri), <i>Proceedings of the 11th ACM International Conference on Distributed and Event-based Systems, DEBS 2017</i>	D	0,14
<i>MultiPub: Latency and Cost-Aware Global-Scale Cloud Publish/Subscribe</i> (J. Gascon-Samson, J. Kienzle, B. Kemme), <i>Proceedings of the 37th IEEE International Conference on Distributed Computing Systems, ICDCS 2017</i>	A	1,14
<i>Content-based routing in software-defined networks</i> (S. Bhowmik), <i>Doctoral Thesis, University of Stuttgart, 2017</i>	D	0,14
<i>Brokel: Towards enabling multi-level cloud elasticity on publish/subscribe brokers</i> (V. F. Rodrigues, I. G. Wendt, R. da Rosa Righi, C. A. da Costa, J. L. V. Barbosa, A. M. Alberti), <i>International Journal of Distributed Sensor Networks, Volume 13, Issue 8, 2017</i>	B	0,57

<i>Efficient similarity computations on parallel machines using data shaping</i> (P. Shukla), Doctoral Thesis, Iowa State University, 2017	D	0,14
<i>Enabling Large-Scale IoT-Based Services through Elastic Publish/Subscribe</i> (S. Vavassori, J. Soriano, R. Fernández), Sensors, Volume 17, Issue 9, 2017	A	1,14
<i>Hybrid Content-Based Routing Using Network and Application Layer Filtering</i> (S. Bhowmik, M. A. Tariq, L. Hegazy, K. Rothermel) Proceedings of the 36th IEEE International Conference on Distributed Computing Systems, ICDCS 2016	A	1,14
<i>Towards a flexible data stream analytics platform based on the GCM autonomous software component technology</i> (F. Baude, L. El Beze, M. Oliva), Proceedings of the 14th International Conference on High Performance Computing & Simulation, HPCS 2016	B	0,57
<i>A Novel Approach to Context-Aware Content-Based Middleware</i> (S. Vavassori), Doctoral Thesis, Universidad Politecnica de Madrid, 2016	D	0,14
<i>Adaptive Cloud Publish-Subscribe Services for Latency-Constrained Applications</i> (J. Gascon-Samson), Doctoral Thesis, McGill University, 2016	D	0,14
<i>Dynamo: A Scalable Pub/Sub Middleware for Latency-Constrained Applications in the Cloud</i> (J. Gascon-Samson, F.-P. Garcia, B. Kemme, J. Kienzle), Proceedings of the 35th IEEE International Conference on Distributed Computing Systems, ICDCS 2015	A	1,14
<i>Distributed control plane for software-defined networks: a case study using event-based middleware</i> (S. Bhowmik, M. A. Tariq, B. Koldehofe, A. Kutzleb, K. Rothermel), Proceedings of the 9th ACM International Conference on Distributed Event-Based Systems, DEBS 2015	D	0,14
<i>A scalable and elastic cloud-assisted publish/subscribe model for IPTV video surveillance system</i> (M. M. Hassan, M. A. Hossain, M. Abdullah-Al-Wadud, T. Al-Mudaihesh, S. Alyahya, A. Alghamdi), Cluster Computing, Volume 18, Issue 4, 2015	C	0,28
<i>GraPS: A Graph Publish/Subscribe Middleware</i> (C. Canas, E. Pacheco, B. Kemme, J. Kienzle, H. A. Jacobsen), Proceedings of the 16th Annual Middleware Conference, Middleware 2015	A	1,14
<i>Publish/Subscribe for Large-Scale Social Interaction: Design, Analysis and Resource Provisioning</i> (V.J. Setty), Doctoral Thesis, University of Oslo, 2015	D	0,14

Titlu articol citat	Autori	Puncte
<i>"A Lightweight MapReduce Framework for Secure Processing with SGX" (R. Pires, D. Gavril, P. Felber, E. Onica, M. Pasin) - Proceedings of the 17th IEEE/ACM International Symposium on Cluster, Cloud and Grid Computing, CCGRID 2017</i>	5	13,63 (11,98 >= B)
Citări	Rang	
<i>A comparison study of intel SGX and AMD memory encryption technology (S. Mofrad, F. Zhang, S. Lu, W. Shi), Proceedings of the 7th International Workshop on Hardware and Architectural Support for Security and Privacy, HASP 2018 within ISCA 2018</i>	A	2,66
<i>Towards Secure Dynamic Product Lines in the Cloud (S. Krieter, J. Krüger, N. Weichbrodt, V. A. Sartakov, R. Kapitza, T. Leich), Proceedings of the 40th IEEE/ACM International Conference on Software Engineering, ICSE 2018</i>	A*	4
<i>Achieving trustworthy Homomorphic Encryption by combining it with a Trusted Execution Environment (N. Drucker, S. Gueron), Journal of Wireless Mobile Networks, Ubiquitous Computing, and Dependable Applications, Volume 9, Issue 1, 2018</i>	D	0,33
<i>Giving Customers Control Over Their Data: Integrating a Policy Language into the Cloud (J. Hiller, M. Kimmerlin, M. Plauth, S. Heikkila, S. Klauck, V. Lindfors, F. Eberhardt, D. Bursztynowski, J. L. Santos, O. Hohlfeld, K. Wehrle), Proceedings of the IEEE International Conference on Cloud Engineering, IC2E 2018</i>	D	0,33
<i>MaskAl: Privacy Preserving Masked Reads Alignment using Intel SGX (C. Lambert, M. Fernandes, J. Decouchant, P. Esteves-Verissimo), Proceedings of the 37th IEEE Symposium on Reliable Distributed Systems, SRDS 2018</i>	A	2,66
<i>Secure Distributed Computing on Untrusted Fog Infrastructures Using Trusted Linux Containers (M.-M. Bazm, M. Lacoste, M. Südholt, J.-M. Menaud), Proceedings of the 10th IEEE International Conference on Cloud Computing Technology and Science, CloudCom 2018</i>	C	0,66
<i>Cloud Challenge: Secure End-to-End Processing of Smart Metering Data (A. Brito, C. Fetzer, S. Köpsell, M. Pasin, P. Felber, K. Fonseca, M. Rosa, L. Gomes, R. Riella, C. Prado, L.F.R. da Costa Carmo, D. Lucani, M. Sipos, L. Nagy, M. Fehér), Proceedings of the IEEE/ACM International Conference on Utility and Cloud Computing Companion, UCC Companion 2018</i>	D	0,33
<i>Privacy-Preserving Location-Based Services by using Intel SGX (V. Kulkarni, B. Chapuis, B. Garbinato), Proceedings of the First International Workshop on Human-centered Sensing, Networking, and Systems, HumanSys 2017 within ACM SenSys 2017</i>	A	2,66

Titlu articol citat	Autori	Puncte
<i>"Optimized Stage Processing for Anomaly Detection on Numerical Data Streams: Grand Challenge" (C. Amariei, P. Diac, E. Onica) – Proceedings of the 11th ACM International Conference on Distributed and Event-based Systems, DEBS 2017</i>	3	4 (4 >= B)
Citări	Rang	
<i>Dagstuhl Seminar on Big Stream Processing</i> (S. Sakr, T. Rabl, M. Hirzel, P. Carbone, M. Strothbach), SIGMOD Record, Volume 47, Issue 3, 2019	B	4

Titlu articol citat	Autori	Puncte
<i>"Efficient and Confidentiality-Preserving Content-Based Publish/Subscribe with Prefiltering" (R. Barazzutti, E. Onica, P. Felber, H. Mercier, E. Rivière) - IEEE Transactions on Dependable and Secure Computing, Vol. 14, Issue 3, 2017</i>	5	9,3 (7,98 >= B)
Citări	Rang	
<i>A Comprehensive Security Framework for Publish/Subscribe-Based IoT Services Communication</i> (L. Duan, C.-A. Sun, Y. Zhang, W. Ni, J. Chen), IEEE Access, Volume 7, 2019	A	2,66
<i>Secure publish and subscribe systems with efficient revocation</i> (S. Belguith, S. Cui, M. R. Asghar, G. Russello), Proceedings of the 33rd Annual ACM Symposium on Applied Computing, SAC 2018	B	1,33
<i>Mind the Gap: Autonomous Detection of Partitioned MANET Systems using Opportunistic Aggregation</i> (S. Bouget, Y.-D. Bromberg, H. Mercier, E. Rivière, F. Taiani), Proceedings of the 37th IEEE Symposium on Reliable Distributed Systems, SRDS 2018	A	2,66
<i>Asymmetric DCnets for Effective and Efficient Sender Anonymity</i> (T. Grube, J. Daubert, M. Muhlhauser), Proceedings of the IEEE Global Communications Conference, GLOBECOM 2018	B	1,33
<i>Towards a holistic construction of opportunistic large-scale distributed systems</i> (S. Bouget), Doctoral Thesis, Inria Rennes – Bretagne Atlantique, 2018	D	0,33
<i>MESA: An Efficient Matching Scheme in Content-Based Publish/Subscribe System with Simplified Bayesian Approach</i> (Q. Wang, D. Chen, Z. Ding, Z. Qin, Z. Qin), Proceedings of the 3rd International Conference on Big Data Computing and Communications, BIGCOM 2017	D	0,33
<i>Ant colonies for efficient and anonymous group communication systems</i> (T. Grube, S. Hauke, J. Daubert, M. Mühlhäuser), Proceedings of the International Conference on Networked Systems, NetSys 2017	D	0,33
<i>PACS: An Efficient Publish-Subscribe System with Secure Attribute-Based Access Control Scheme in IoT Context</i> (Q. Wang, D. Chen, Z. Ding, Z. Qin, Z. Qin), Journal of Electronic Science and Technology, Online First, 2017	D	0,33

Titlu articol citat	Autori	Puncte
<i>"Reliable Messaging to Millions of Users with MigratoryData"</i> (M. Rotaru, F. Olariu, E. Onica, E. Rivière), <i>Proceedings of the 18th Annual ACM/IFIP/USENIX Middleware Conference, Middleware 2017</i>	4	4 (4 >= B)
Citări	Rang	
<i>PreDict: Predictive Dictionary Maintenance for Message Compression in Publish/Subscribe</i> (C. Doblander, A. Khatayee, H.-A. Jacobsen), <i>Proceedings of the 19th ACM/IFIP/USENIX International Middleware Conference, Middleware 2018</i>	A	4

Titlu articol citat	Autori	Puncte
<i>"Efficient Key Updates through Subscription Re-encryption for Privacy-Preserving Publish/Subscribe"</i> (E. Onica, P. Felber, H. Mercier, E. Rivière), <i>The 16th ACM/IFIP/USENIX Annual Middleware Conference, Middleware 2015</i>	4	25 (24 >=B)
Citări	Rang	
<i>A Comprehensive Security Framework for Publish/Subscribe-Based IoT Services Communication</i> (L. Duan, C.-A. Sun, Y. Zhang, W. Ni, J. Chen), <i>IEEE Access</i> , Volume 7, 2019	A	4
<i>Collusion Defender: Preserving Subscribers' Privacy in Publish and Subscribe Systems</i> (S. Cui, S. Belguith, P. De Alwis, M. R. Asghar, G. Russello), <i>IEEE Transactions on Dependable and Secure Computing</i> , Early Access, 2019	A*	6
<i>Malicious Entities are in Vain: Preserving Privacy in Publish and Subscribe Systems</i> (S. Cui, S. Belguith, P. D. Alwis, M. R. Asghar, G. Russello), <i>Proceedings of the 17th IEEE International Conference On Trust, Security And Privacy In Computing And Communications, TrustCom 2018</i>	A	4
<i>Secure publish and subscribe systems with efficient revocation</i> (S. Belguith, S. Cui, M. R. Asghar, G. Russello), <i>Proceedings of the 33rd Annual ACM Symposium on Applied Computing, SAC 2018</i>	B	2
<i>Secret Sharing in Pub/Sub Using Trusted Execution Environments</i> (J. Munster, H.-A. Jacobsen), <i>Proceedings of the 12th ACM International Conference on Distributed and Event-based Systems, DEBS 2018</i>	D	0,5
<i>A Secure Privacy-Preserving Mutual Authentication Scheme for Publish-Subscribe Fog Computing</i> (F. M. Salem), <i>Proceedings of the 14th International Computer Engineering Conference, ICENCO 2018</i>	D	0,5
<i>PICADOR: End-to-end encrypted Publish-Subscribe information distribution with proxy re-encryption</i> (C. Borcea, A. D. Gupta, Y. Polyakov, K. Rohloff, G. Ryan), <i>Future Generation Computer Systems</i> , Volume 71, 2017	A	4
<i>An efficient subscription index for publication matching in the cloud</i> (Z. Cui, Z. Wu, C. Zhou, G. Gao, J. Yu, Z. Zhao, B. Wu), <i>Knowledge-Based Systems</i> , Volume 110, 2016	A	4

**Perspectiva d): performanța academică (Perspectiva d)****Total (fără punctaj premii): 71 puncte****Total maxim (cu punctaj premii): 78,88 puncte (din care 10% = 7,88 puncte, punctaj premii)****Criterii conf. univ.: 36 puncte**

Punctaj conform criteriilor de evaluare.

Criteriu	Puncte
Publicarea unui curs universitar în format electronic: <ul style="list-style-type: none"><li>- Event Based Systems (Sisteme Bazate pe Evenimente) – curs master, slide-uri disponibile la adresa: <a href="https://profs.info.uaic.ro/~eonica/ebs2017/">https://profs.info.uaic.ro/~eonica/ebs2017/</a> (2 pct.)</li></ul>	2
Director/Membru al unui grant de cercetare internațional a cărui valoare intrată în instituție este ≥ 200.000 Euro: <ul style="list-style-type: none"><li>- EBSIS Twinning, desfășurat și coordonat la Universitatea Alexandru Ioan Cuza din Iași, Grant H2020 GA 692178/2015, Fonduri alocate: 334.875 Euro (director - 8 pct.)</li><li>- SRT-15, desfășurat la Universitatea din Neuchâtel, Elveția, Grant FP7-ICT-257843, Fonduri alocate: 541.970 Euro (membru permanent – 4 pct.)</li><li>- LEADS, desfășurat și coordonat la Universitatea din Neuchâtel, Elveția, Grant FP7-ICT-318809, Fonduri alocate: 749.789 Euro (membru colaborator – 4 pct.)</li></ul> < 50.000 Euro: <ul style="list-style-type: none"><li>- EBSIS+ Premiere H2020, desfășurat și coordonat la Universitatea Alexandru Ioan Cuza din Iași, Grant PN3 10/2016, Fonduri alocate : 151.123 lei (director – 2 pct.)</li></ul>	18
Membru în comitetul științific (de program) al unor conferințe, simpozioane, workshop-uri: <ul style="list-style-type: none"><li>- The 15th European Dependable Computing Conference - EDCC 2019 (membru PC – conferință unranked – 0,5 pct.)</li><li>- The 19th IFIP International Conference on Distributed Applications and Interoperable Systems - DAIS 2019 (membru PC – conferință rang B – 2 pct.)</li><li>- PhD Workshop in EBSIS Summer School 2018 (coordonator program științific – workshop doctoral neindexat – 0,5 pct.)</li><li>- The 18th IFIP International Conference on Distributed Applications and Interoperable Systems - DAIS 2018 (membru PC – conferință rang B – 2 pct.)</li><li>- Elsevier Future Generation Computer Systems, Volume 71, June 2017 (recenzor invitat – jurnal rang A – 4 pct.)</li><li>- PhD Workshop in EBSIS Summer School 2017 (coordonator program științific – workshop doctoral neindexat – 0,5 pct.)</li><li>- The 21st International Conference on Principles of Distributed Systems - OPODIS 2017 (membru PC – conferință rang B – 2 pct.)</li><li>- PhD Workshop in EBSIS Summer School 2016 (coordonator program științific – workshop doctoral neindexat – 0,5 pct.)</li><li>- Workshop on Mobility and Cloud Security and Privacy în cadrul conferinței IEEE SRDS 2016 (membru PC – workshop asociat eveniment rang A – 2 pct.)</li></ul>	14
Organizare evenimente științifice/școli de vară: <ul style="list-style-type: none"><li>- BringITOn! Workshop, Iași, Romania, 13-14 December 2018 (membru în comitetul de organizare – 1 pct.)</li></ul>	10



<ul style="list-style-type: none"> <li>- The 14th European Dependable Computing Conference - EDCC 2018, Iași, Romania, 10-14 September 2018 (director – 2 pct.)</li> <li>- EBSIS Summer School on Distributed Event Based Systems and Related Topics, Villars-sur-Ollon, Switzerland, 9-13 July, 2018 (membru în comitetul de organizare – 1 pct.)</li> <li>- Scientific Seminars Day – Louvain House, Université Catholique de Louvain, Louvain-la-Neuve, Belgium, 16 April 2018 (membru în comitetul de organizare – 1 pct.)</li> <li>- EBSIS Summer School on Distributed Event Based Systems and Related Topics, Timmendorfer Strand, Germany, 10-14 July, 2017 (membru în comitetul de organizare – 1 pct.)</li> <li>- DIEBS - Dependability and Interoperability with Event-Based Systems, Special Keynotes Session in IFIP DisCoTec Federated Conference, 21 June 2017, Neuchatel, Switzerland (membru în comitetul de organizare – 1 pct.)</li> <li>- EBSIS Summer School on Distributed Event Based Systems and Related Topics, Sinaia, Romania, 12-15 July, 2016 (director – 2 pct.)</li> <li>- Event Based Systems and Related Topics Seminars Week – Université de Neuchatel, Switzerland, 30 May – 3 June 2016 (membru în comitetul de organizare – 1 pct.)</li> </ul>	
<p>Invited speaker la:</p> <ul style="list-style-type: none"> <li>- Seminar științific - “Efficient Support for Confidentiality-Preserving Pub/Sub Systems” în cadrul Distributed Systems Research Group, Universitatea din Konstanz, Germania, 8.09.2014 (QS rank: 397 - top 500 - 2 pct.)</li> <li>- Google Summer of Code meet-up event, cu prezentarea "The GSoC Experience", Institute of Informatics, Universitatea din Neuchâtel, Elveția, 27.02.2014 (evenimente locale – 1 pct.)</li> </ul>	3
<p>Profesor/cercetător asociat la:</p> <ul style="list-style-type: none"> <li>- Colaborator științific asociat în perioada 1.10.2010 – 31.03.2013 (și asistent doctorand în perioada 1.10.2010 – 30.09.2014) la Universitatea din Neuchatel, Elveția; responsabil principal cu activitatea de predare lucrări practice în cadrul disciplinei „Concurrency” din programul de Master BeNeFri al consorțiului University of Bern, University of Fribourg, University of Neuchatel, în anii universitari 2011-2014 (notă: pe durata deplasării, funcția de bază în cadrul Univ. Al. I. Cuza Iași, România a fost menținută, cu suspendarea activității)</li> </ul>	24
<p>Premii și alte merite – maxim 10% din punctajul total al perspectivei d):</p> <ul style="list-style-type: none"> <li>- Best Paper Award la conferința ACM DEBS 2013 cu lucrarea “StreamHub: a Massively Parallel Architecture for High-Performance Content-Based Publish/Subscribe” (R. Barazzutti, P. Felber, C. Fetzer, E. Onica, J.F. Pineau, M. Pasin, E. Rivière, S. Weigert)</li> <li>- DEBS Grand Challenge Winner Award la conferința ACM DEBS 2017 cu lucrarea "Optimized Stage Processing for Anomaly Detection on Numerical Data Streams: Grand Challenge" (C. Amariei, P. Diac, E. Onica)</li> <li>- DEBS Grand Challenge Winner Award la conferința ACM DEBS 2018 cu lucrarea "Cell Grid Architecture for Maritime Route Prediction on AIS Data Streams" (C. Amariei, P. Diac, E. Onica, V. Roșca)</li> </ul>	7,88 <sup>3</sup>

<sup>3</sup> Punctaj maxim pâna la 10% din perspectiva d) ce se poate acorda în funcție de decizia universității sau a institutului de cercetare conform criteriilor. Punctajul celorlalte componente are totalul de 71, reprezentând minim 90% din totalul perspectivei d) ceea ce rezultă într-un maxim acordabil pentru criteriul premii de 10% =  $71/9 = 7,88$  puncte.

