

Listă de lucrări

Proceedings conferințe:

1. *"From Confidential kNN Queries to Confidential Content Based Publish/Subscribe"* (E. Onica, H. Mercier, E. Rivière), ICSOFT 2019, Proceedings of the 14th International Conference on Software Technologies, Prague, Czech Republic, 2019 (accepted, in press)
2. *"Towards Integrated Failure Recovery for Web Service Composition"* (P. Diac, E. Onica), ICSOFT 2019, Proceedings of the 14th International Conference on Software Technologies, Prague, Czech Republic, 2019 (accepted, in press)
3. *"Trust and Privacy in Development of Publish/Subscribe Systems"* (E. Onica, H. Mercier, E. Rivière), ISD 2019, Proceedings of the 28th International Conference on Information Systems Development, Toulon, France, 2019 (accepted, in press)
4. *"Cell Grid Architecture for Maritime Route Prediction on AIS Data Streams"* (C. Amariei, P. Diac, E. Onica, V. Roșca), DEBS 2018, Proceedings of the 12th ACM International Conference on Distributed and Event-based Systems, Hamilton, New Zealand, 2018 (*DEBS Grand Challenge Winner Award*)
5. *"Predicting Destinations by Nearest Neighbor Search on Training Vessel Routes"* (V. Roșca, E. Onica, P. Diac, C. Amariei), DEBS 2018, Proceedings of the 12th ACM International Conference on Distributed and Event-based Systems, Hamilton, New Zealand, 2018
6. *"Optimized Stage Processing for Anomaly Detection on Numerical Data Streams: Grand Challenge"* (C. Amariei, P. Diac, E. Onica), DEBS 2017, Proceedings of the 11th ACM International Conference on Distributed and Event-based Systems, Barcelona, Spain, 2017 (*DEBS Grand Challenge Winner Award*)
7. *"A Lightweight MapReduce Framework for Secure Processing with SGX"* (R. Pires, D. Gavril, P. Felber, E. Onica, M. Pasin), CCGRID 2017, Proceedings of the 17th IEEE/ACM International Symposium on Cluster, Cloud and Grid Computing, Madrid, Spain, 2017
8. *"Reliable Messaging to Millions of Users with MigratoryData"* (M. Rotaru, F. Olariu, E. Onica, E. Rivière), Middleware 2017, Proceedings of the 18th Annual ACM/IFIP/USENIX Middleware Conference, Las Vegas, Nevada, USA, 2017

9. *"Towards Scalable and Dependable Privacy-Preserving Publish/Subscribe Services"* (E. Onica, P. Felber, H. Mercier, E. Rivi re), DSN 2016, The 46th Annual IEEE/IFIP International Conference on Dependable Systems and Networks, Toulouse, France, 2016 – Fast Abstract
10. *"Efficient Key Updates through Subscription Re-encryption for Privacy-Preserving Publish/Subscribe"* (E. Onica, P. Felber, H. Mercier, E. Rivi re), Middleware 2015, Proceedings of the 16th Annual ACM/IFIP/USENIX Middleware Conference, Vancouver, British Columbia, Canada, 2015
11. *"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. Rivi re), ICDCS 2014, Proceedings of the 34th IEEE International Conference on Distributed Computing Systems, Madrid, Spain, 2014
12. *"Performance/Security Tradeoffs for Content-Based Routing Supported by Bloom Filters"* (H. Mercier, E. Onica, E. Rivi re, P. Felber), SIROCCO 2013, Proceedings of the 20th International Colloquium on Structural Information and Communication Complexity, Ischia, Italy, 2013
13. *"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. Rivi re, S. Weigert), DEBS 2013, Proceedings of the 7th ACM International Conference on Distributed Event-based Systems, Arlington, Texas, USA, 2013 (*Best Paper Award*)
14. *"Thrifty Privacy: Efficient Support for Privacy-Preserving Publish/Subscribe"* (R. Barazzutti, P. Felber, H. Mercier, E. Onica, E. Rivi re), DEBS 2012, Proceedings of the 6th ACM International Conference on Distributed Event-Based Systems, Berlin, Germany, 2012
15. *"Infrastructure Provisioning for Scalable Content-Based Routing: Framework and Analysis"* (R. Barazzutti, P. Felber, H. Mercier, E. Onica, J.F. Pineau, E. Rivi re, C. Fetzer), NCA 2012, Proceedings of the 11th IEEE International Symposium on Network Computing and Applications, Cambridge, Massachusetts, USA, 2012
16. *"Enhancing Yahoo! Search Results using Linked Open Data"* (C. Amariei, E. Onica, S. Buraga), KEPT 2009, Proceedings of the 2nd Knowledge Engineering: Principles and Techniques Conference, Cluj, Romania, 2009

Publicații jurnale:

1. *"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
2. *"Confidentiality-Preserving Publish/Subscribe: A Survey"* (E. Onica, P. Felber, H. Mercier, E. Rivière), ACM Computing Surveys (CSUR), Vol. 49, Issue 2, 2016

Contribuții rapoarte tehnice/workshopuri doctorale:

1. *"DynamiK: Lightweight Key Management for Privacy-Preserving Pub/Sub"* (E. Onica), Doctoral Workshop on Distributed Systems, ediția 2014 (organizatori: Universitatea din Neuchâtel, Universitatea din Berna și Universitatea de Științe Aplicate Fribourg, Elveția); proceedings publicate ca Raport Tehnic IAM-14-001 la Universitatea din Berna, Elveția
2. *"Secure Integrated Pub/Sub: Matching Scheme and Key Management Design"* (E. Onica), Doctoral Workshop on Distributed Systems, ediția 2013 (organizatori: Universitatea din Neuchâtel, Universitatea din Berna și Universitatea de Științe Aplicate Fribourg, Elveția); proceedings publicate ca Raport Tehnic IAM-13-002 la Universitatea din Berna, Elveția
3. *"Thrifty Privacy: Efficient Support for Privacy-Preserving Publish/Subscribe"* (E. Onica), Doctoral Workshop on Distributed Systems, ediția 2012 (organizatori: Universitatea din Neuchâtel, Universitatea din Berna și Universitatea de Științe Aplicate Fribourg, Elveția); proceedings publicate ca Raport Tehnic IAM-12-003 la Universitatea din Berna, Elveția