

Published papers

- **Conferinte:**
 - **Class A (workshop)**
 - **Cristian Chilipirea**, Alexandru Constantin, Dan Popa, Octavian Crintea, Ciprian Dobre, "Cloud Elasticity: going beyond demand as user load." In ACM Proceedings of the Third International Workshop on Adaptive Resource Management and Scheduling for Cloud Computing (ARMS-CC PODC), pp. 46-51, 2016
 - **Class B (workshop)**
 - **Cristian Chilipirea**, Andreea-Cristina Petre, Ciprian Dobre "Energy-Aware Social-based Routing in Opportunistic Networks", 2013 27th International Conference on Advanced Information Networking and Applications Workshops (WAINA 2013), Barcelona, Spain, pp. 791-796, DOI 10.1109/WAINA.2013.259.
 - **Cristian Chilipirea**, Ghita Laurentiu, Mirona Popescu, Sorin Radoveanu, Vladimir Cernov, Ciprian Dobre, "A Comparison of Private Cloud Systems" In 30th IEEE International Conference on Advanced Information Networking and Applications Workshops (WAINA), pp. 139-143, 2016.
 - **Class C**
 - **Cristian Chilipirea**, Andreea-Cristina Petre, Ciprian Dobre, Florin Pop, and George Suci. "A Simulator for Analysis of Opportunistic Routing Algorithms.", IEEE 14th International Symposium on Parallel and Distributed Computing (ISPDC), pp. 27-36, 2015.
 - **Cristian Chilipirea**, Andrei Ursache, Dan Octavian Popa, Florin Pop, "Energy efficiency and robustness for IoT: building a smart home security system", IEEE Intelligent Computer Communication and Processing (ICCP), pp.43-48, 2016
 - Vlad Ioan Nistorica, **Cristian Chilipirea**, Ciprian Dobre, " How many people are needed for a crowdsensing campaign? ", IEEE Intelligent Computer Communication and Processing (ICCP), pp.353-358, 2016
 - **Cristian Chilipirea**, Andreea-Cristina Petre , Ciprian Dobre, Mitra Baratchi, Maarten van Steen, " Presumably simple: monitoring crowds using WiFi ", 17th IEEE International Conference on Mobile Data Management (MDM), pp. 220-225, 2016
 - **Cristian Chilipirea**, Ciprian Dobre, Mitra Baratchi, Maarten van Steen, "Identifying movements in noisy crowd analytics data", 19th IEEE International Conference on Mobile Data Management (MDM), pp. 161-166, 2018
 - **Not-classified**
 - **Cristian Chilipirea**, Andreea-Cristina Petre, Ciprian Dobre "Predicting Encounters in Opportunistic Networks using Gaussian Process", CSCS 2013, 2013 19th International Conference on Control Systems and Computer Science, p. 99-106.
 - Mihaela Nita , **Cristian Chilipirea** , Ciprian Dobre, Florin Pop "A SLA-based Method for Big-Data Transfers with Multi-Criteria Optimization Constraints for IaaS", published in RoEduNet IEEE International Conference 11th Edition, 2013, p. 105-111.
 - **Cristian Chilipirea**, Andreea-Cristina Petre, and Ciprian Dobre. "MANIAC Challenge: The Wolf-pack strategy." arXiv preprint arXiv:1401.1347 (2014).
 - Ciprian Dobre, George Suci, **Cristian Chilipirea**, Catalin Gosman, "Tele-Monitoring System for Water and Underwater Environments Using Cloud and Big Data Systems",

IEEE 20th International Conference on Control Systems and Computer Science (CSCS), pp. 809-813, 2015.

- Adriana Drăghici, Taygun Agiali, **Cristian Chilipirea**, "Visualization System for Human Mobility Analysis", accepted, publication pending at 2015 14th RoEduNet International Conference - Networking in Education and Research (NER'2015)
- **Cristian Chilipirea**, Andreea-Cristina Petre, Ciprian Dobre, Maarten van Steen, "Filters for Wi-Fi Generated Crowd Movement Data", 10th International Conference on P2P, Parallel, Grid, Cloud and Internet Computing (3PGCIC 2015), pp. 285-290, 2015.
- **Cristian Chilipirea**, Andreea-Cristina Petre, Ciprian Dobre, Maarten van Steen, "Proximity Graphs for Crowd Movement Sensors", 10th International Conference on P2P, Parallel, Grid, Cloud and Internet Computing (3PGCIC 2015), pp. 310-314, 2015.

- **Journals:**

- **Red**

- **Cristian Chilipirea**, Mitra Baratchi, Ciprian Dobre, and Maarten van Steen. "Identifying Stops and Moves in WiFi Tracking Data." *Sensors* 18, no. 11 (2018): 4039.
 - **Cristian Chilipirea**; Petre, A.-C.; Dobre, C.; Pop, F., "Enabling Mobile Cloud Wide Spread Through an Evolutionary Market-Based Approach," *Systems Journal, IEEE* , vol.PP, no.99, pp.1-8, 2015.

- **Not-classified**

- **Cristian Chilipirea**, Andreea-Cristina Petre, Ciprian Dobre "Social-based routing algorithm for energy preservation in mobile opportunistic networks" *International Journal Embedded Systems*, Vol. 6, No. 1, 2014.
 - **Cristian Chilipirea**, Andreea-Cristina Petre, Ciprian Dobre, Florin Pop, Fatos Xhafa, "Enabling Vehicular Data with Distributed Machine Learning", Springer, LNCS Transactions on Computational Collective Intelligence XIX, pp. 89-102, 2015.
 - **Cristian Chilipirea**, Andreea-Cristian Petre, Ciprian Dobre, Florin Pop, George Suci, "A simulator for opportunistic networks", *Concurrency and Computation Practice and Experience*, cpe.3814, 2016
 - **Cristian Chilipirea**, Andreea-Cristina Petre, Loredana-Marsilia Groza, Ciprian Dobre, Florin Pop, "An Integrated Architecture for Future Studies in Data Processing for Smart Cities Microprocessors and Microsystems, ISSN 0141-9331, 2017

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- **Book Chapters:**

- Andreea-Cristina Petre, **Cristian Chilipirea**, Mitra Baratchi, Ciprian Dobre, Maarten van Steen, "WiFi tracking of pedestrian behavior", *Smart Sensors Networks*, 309-337, 2017
 - Andreea-Cristina Petre, **Cristian Chilipirea**, Ciprian Dobre "Delay Tolerant Networks for Disaster Scenarios", *Resource management in Mobile Computing Environments*, p. 3-24, ISBN: 978-3-319-06703-2
 - **Cristian Chilipirea**, Andreea-Cristina Petre, and Ciprian Dobre. "Big Data Uses in Crowd Based Systems." In *Resource Management for Big Data Platforms*, pp. 441-459. Springer International Publishing, 2016