

Radu-Ioan Ciobanu - Lucrări publicate

I. TEZA DE DOCTORAT (T)

- T1. **Radu-Ioan Ciobanu**, *"Middleware pentru sisteme mobile colaborative cu adaptare la context și extragere de cunoștințe (Context-Adaptive and Knowledge-Based Middleware for Mobile Collaborative Systems)"*, teză susținută public în data de 15 ianuarie 2016. Calificativ și Distincție: EXCELENT, SUMMA CUM LAUDE.

II. CĂRȚI PUBLICATE (C)

- Ca1. **Radu-Ioan Ciobanu**, Ciprian Dobre, *"Sisteme de Calcul Cloud. Îndrumar de laborator"*, Editura Politehnica Press, ISBN: 978-606-515-905-1, 2020.
- Ca2. **Radu-Ioan Ciobanu**, Ciprian Dobre, *"Mobile Computing. Course Book"*, Editura Politehnica Press, ISBN: 978-606-515-910-5, 2020.

III. ALTE MATERIALE PUBLICATE (I, D)

I - Culegeri și Îndrumare publicate (separate în edituri cu ISBN și în tipografiile locale/de instituții sau de uz intern)

D - Alte lucrări publicate: capitole publicate în volume colective, capitole teoretice redactate, sisteme de laborator funcționale etc.

- D1. **Radu-Ioan Ciobanu**, Radu-Corneliu Marin, Ciprian Dobre, *"Mobemu: a framework to support decentralized ad-hoc networking"*, in Modeling and Simulation in HPC and Cloud Systems, Springer, Cham, pp. 87-119, DOI: 0.1007/978-3-319-73767-6_6, ISBN: 978-3-319-73767-6, 2018.
- D2. Mihail Costea, **Radu-Ioan Ciobanu**, Radu-Corneliu Marin, Ciprian Dobre, Constandinos X. Mavromoustakis, George Mastorakis, *"Causal and Total Order in Opportunistic Networks"*, in Emerging Innovations in Wireless Networks and Broadband Technologies, IGI Global, pp. 221-262, DOI:10.4018/978-1-4666-9941-0.ch010, 2016.
- D3. **Radu-Ioan Ciobanu**, Radu-Corneliu Marin, Ciprian Dobre, Valentin Cristea, *"ON-SIDE-SELF: A Selfish Node Detection and Incentive Mechanism for Opportunistic Dissemination"*, in Internet of Things (IoT) in 5G Mobile Technologies (IoT5G 2015), Springer International Publishing, pp. 317-332, DOI: 10.1007/978-3-319-30913-2_14, ISBN: 978-3-319-30913-2, 2015.
- D4. **Radu-Ioan Ciobanu**, Ciprian Dobre, *"Employing Opportunistic Networks in Dementia Patient Monitoring"*, in Advanced Technological Solutions for Dementia Patient Monitoring, IGI Global, pp. 106-136, DOI: 10.4018/978-1-4666-7481-3.ch005, 2014.
- D5. Radu-Corneliu Marin, **Radu-Ioan Ciobanu**, Radu Pasea, Vlad Barosan, Mihail Costea, Ciprian Dobre, *"Context-awareness in Opportunistic Mobile Cloud Computing"*, in Resource Management of Mobile Cloud Computing Networks and Environments. Advances in Systems Analysis, Software Engineering, and High Performance Computing Book Series, IGI Global, pp. 203-237, DOI: 10.4018/978-1-4666-8225-2.ch008, 2014.
- D6. **Radu-Ioan Ciobanu**, Valentin Cristea, Ciprian Dobre, Florin Pop, *"Big Data Platforms for the Internet of Things"*, in Big Data and Internet of Things: A Roadmap for Smart Environments. Studies in Computational Intelligence, vol. 546, Springer, pp. 3-34, DOI: 10.1007/978-3-319-05029-4_1, ISBN: 978-3-319-05029-4, 2014.
- D7. **Radu-Ioan Ciobanu**, Ciprian Dobre, Fatou Xhafa, *"Data Modeling for Socially-Based Routing in Opportunistic Networks"*, in Modelling and Processing for Next Generation Big Data Technologies and Applications. Modeling and Optimization in Science and Technologies, vol. 4, Springer, pp. 29-55, DOI: 10.1007/978-3-319-09177-8_2, ISBN: 978-3-319-09177-8, 2014.
- D8. Radu-Corneliu Marin, **Radu-Ioan Ciobanu**, Ciprian Dobre, Fatou Xhafa, *"Techniques and Applications to Analyze Mobility Data"*, in Inter-cooperative Collective Intelligence: Techniques and Applications, Studies in Comp. Intel., vol. 495, Springer, DOI: 10.1007/978-3-642-35016-0_8, ISBN: 978-3-642-35016-0, 2013.

IV. ARTICOLE / STUDII IN EXTENSO PUBLICATE (R, V)

Ris – Reviste de specialitate de circulație internațională recunoscute (cotate / indexate ISI Thomson Reuters, sau indexate în alte Baze de Date Internaționale - BDI specifice domeniului, care fac un proces de selecție a revistelor pe baza unor criterii de performanță)

Rio – Alte reviste de specialitate de circulație internațională

Rns – Reviste de specialitate de circulație națională recunoscute de CNCSIS

Rno – Alte reviste de specialitate de circulație națională

Vis – Volumele unor manifestări științifice internaționale recunoscute, organizate în țară și străinătate, indexate ISI Thomson Reuters sau indexate în alte Baze de Date Internaționale - BDI specifice domeniului, care fac un proces de selecție a publicațiilor pe baza unor criterii de performanță

Vi – Volumele unor manifestări științifice internaționale recunoscute, organizate în țară și străinătate

Vn – Volumele unor manifestări științifice naționale

- Ris1. **Radu Ioan Ciobanu**, Daniel Gutiérrez Reina, Ciprian Dobre, Sergio L. Toral, Princy Johnson, "*JDER: A history-based forwarding scheme for Delay Tolerant Networks using Jaccard Distance and Encountered Ration*", in Journal of Network and Computer Applications, vol. 40, pp. 279-291, ISSN: 1084-8045, DOI: 10.1016/j.jnca.2013.09.012, 2013. (indexare ISI, IF = 5.273).
- Ris2. **Radu-Ioan Ciobanu**, Ciprian Dobre, Mihai Dascalu, Stefan Trausan-Matu, Valentin Cristea, "*SENSE: A Collaborative Selfish Node Detection and Incentive Mechanism for Opportunistic Networks*", in Journal of Network and Computer Applications, vol. 41, pp. 240-249, ISSN: 1084-8045, DOI: 10.1016/j.jnca.2014.01.009, 2013. (indexare ISI, IF = 5.273).
- Ris3. **Radu-Ioan Ciobanu**, Radu-Corneliu Marin, Ciprian Dobre, "*Interaction Predictability of Opportunistic Networks in Academic Environments*", in Transactions on Emerging Telecommunications Technologies, vol. 25, issue 8, pp. 852-864, ISSN: 2161-3915, DOI: 10.1002/ett.2692, 2013. (indexare ISI, IF = 1.258).
- Ris4. **Radu-Ioan Ciobanu**, Ciprian Dobre, "*Social-awareness in opportunistic networking*", in International Journal of Intelligent Systems Technologies and Applications (IJISTA), Special Issue on Green Communication and Computing, vol. 12, issue 1, ISSN: 17408865, DOI: 10.1504/IJISTA.2013.055095, 2013.
- Ris5. **Radu Ioan Ciobanu**, Ciprian Dobre, "*Opportunistic Networks: A Taxonomy of Data Dissemination Techniques*", in International Journal of Virtual Communities and Social Networking (IJVCSN), vol. 5, issue 2, pp. 11-26, ISSN: 1942-9010, DOI: 10.4018/jvcsn.2013040102, 2013.
- Ris6. **Radu-Ioan Ciobanu**, Radu-Corneliu Marin, Ciprian Dobre, Valentin Cristea, "*Interest-Awareness in Data Dissemination for Opportunistic Networks*", in Ad Hoc Networks, Special Issue on New Research Challenges in Mobile, Opportunistic and Delay-Tolerant Networks, vol. 25, part B, pp. 330-345, ISSN: 1570-8705, DOI: 10.1016/j.adhoc.2014.07.004, 2014. (indexare ISI, IF = 3.490).
- Ris7. **Radu Ioan Ciobanu**, Ciprian Dobre, Valentin Cristea, Florin Pop, Fatos Xhafa, "*SPRINT-SELF: Social-Based Routing and Selfish Node Detection in Opportunistic Networks*", in Mobile Information Systems (MIS), Special Issue on Emerging Trends in Networking and Ubiquitous Technologies, vol. 2015, 12 pages, ISSN: 1574-017x, DOI: 10.1155/2015/596204, 2013. (indexare ISI, IF = 1.635).
- Ris8. Florin Pop, **Radu-Ioan Ciobanu**, Ciprian Dobre, "*Adaptive Method to Support Social-based Mobile Networks Using a PageRank Approach*", in Concurrency and Computation: Practice and Experience, vol. 27, issue 8, pp. 1900-1912, ISSN: 1532-0626, DOI: 10.1002/cpe.3103, 2013. (indexare ISI, IF = 1.167).
- Ris9. Daniel Gutiérrez Reina, Patricia Ruiz, **Radu-Ioan Ciobanu**, Sergio L. Toral, Bernabe Dorronsoro, Ciprian Dobre, "*A Survey on the Application of Evolutionary Algorithms for Mobile Multihop Ad Hoc Network Optimization Problems*", in International Journal of Distributed Sensor Networks, ISSN: 1550-1477, DOI:10.1155/2016/2082496, 2016. (indexare ISI, IF = 1.614).
- Ris10. Daniel Gutiérrez Reina, **Radu-Ioan Ciobanu**, Sergio L. Toral, Ciprian Dobre, "*A multi-objective optimization of data dissemination in delay tolerant networks*", in Expert System with Applications, vol. 57, pp. 178-191, ISSN: 0957-4174, DOI: 10.1016/j.eswa.2016.03.038, 2016 (indexare ISI, IF = 4.292).
- Ris11. Cristian-Octavian Ojog, Radu-Corneliu Marin, **Radu-Ioan Ciobanu**, Ciprian Dobre, "*Multi-criteria optimization of wireless connectivity over sparse networks*", in Computer Networks, vol. 111, pp. 120-128, ISSN: 1389-1286, DOI: 10.1016/j.comnet.2016.07.010, 2016 (indexare ISI, IF = 3.030).
- Ris12. **Radu-Ioan Ciobanu**, Radu-Corneliu Marin, Ciprian Dobre, Florin Pop, "*Interest Spaces: a Unified Interest-Based Dissemination Framework for Opportunistic Networks*", in Journal of Systems Architecture, ISSN 1383-7621, DOI: 10.1016/j.sysarc.2016.06.004, 2016. (indexare ISI, IF = 1.159).
- Ris13. **Radu-Ioan Ciobanu**, Radu-Corneliu Marin, Ciprian Dobre, Valentin Cristea, "*Trust and Reputation Management for Opportunistic Dissemination*", in Pervasive and Mobile Computing, ISSN: 1574-1192, 2016. (indexare ISI, IF = 2.769).
- Ris14. Mihail Costea, **Radu-Ioan Ciobanu**, Radu-Corneliu Marin, Ciprian Dobre, Constandinos X. Mavromoustakis, George Mastorakis, Fatos Xhafa, "*Total order in opportunistic networks*", in Concurrency and Computation: Practice and Experience, vol. 29, no. 10, ISSN: 1532-0634, DOI: 10.1002/cpe.4056, 2017 (indexare ISI, IF = 1.167).
- Ris15. Radu-Corneliu Marin, **Radu-Ioan Ciobanu**, Ciprian Dobre, "*Improving opportunistic networks by leveraging device-to-device communication*", in IEEE Communications Magazine 55, no. 11, pp. 86-91, ISSN: 1558-1896, DOI: 10.1109/MCOM.2017.1700354, 2017 (indexare ISI, IF=10.356).
- Ris16. Radu-Corneliu Marin, **Radu-Ioan Ciobanu**, Ciprian Dobre, Constandinos X. Mavromoustakis, George Mastorakis, "*A context-aware collaborative model for smartphone energy efficiency over 5G wireless networks*", in Computer Networks, vol. 129, pp. 352-362, ISSN: 1389-1286, DOI: 10.1016/j.comnet.2017.06.011, 2017 (indexare ISI, IF=3.030).
- Ris17. **Radu-Ioan Ciobanu**, Daniel Gutierrez Reina, Ciprian Dobre, Sergio L. Toral, "*Context-adaptive forwarding in mobile opportunistic networks*", in Annals of Telecommunications, vol. 73, no. 9-10, pp. 559-575, ISSN: 1958-9395, DOI: 10.1007/s12243-018-0654-3, 2018 (indexare ISI, IF=1.552).

- Ris18. Robert-Andrei Voicu, Ciprian Dobre, Lidia Bajenaru, **Radu-Ioan Ciobanu**, "*Human Physical Activity Recognition Using Smartphone Sensors*", in *Sensors*, vol. 19, no. 3, ISSN: 1424-8220, DOI: 10.3390/s19030458, 2019 (indexare ISI, IF=3.031).
- Ris19. **Radu-Ioan Ciobanu**, Catalin Negru, Florin Pop, Ciprian Dobre, Constandinos X. Mavromoustakis, George Mastorakis, "*Drop computing: Ad-hoc dynamic collaborative computing*", in *Future Generation Computer Systems*, vol. 92, pp. 889-899, ISSN: 1872-7115, DOI: 10.1016/j.future.2017.11.044, 2019 (indexare ISI, IF=5.768).
- Ris20. **Radu-Ioan Ciobanu**, Vlăduț-Constantin Tăbușcă, Ciprian Dobre, Lidia Băjenaru, Constandinos X. Mavromoustakis, George Mastorakis, "*Avoiding Data Corruption in Drop Computing Mobile Networks*", *IEEE Access*, ISSN: 2169-3536, DOI: 10.1109/ACCESS.2019.2903018, 2019 (indexare ISI, IF=4.098).
- Ris21. **Radu-Ioan Ciobanu**, Ciprian Dobre, Mihaela Bălănescu, George Suci, "*Data and Task Offloading in Collaborative Mobile Fog-Based Networks*", *IEEE Access*, vol. 7, ISSN: 2169-3536, DOI: 10.1109/ACCESS.2019.2929683, 2019 (indexare ISI, IF=4.098).
- Ris22. George-Eduard Zaharia, Tiberiu-Alex-Irinel Șoșea, **Radu-Ioan Ciobanu**, Ciprian Dobre, "*Machine learning-Based traffic offloading in fog networks*", in *Simulation Modelling Practice and Theory*, ISSN: 1878-1462, DOI: 10.1016/j.simpat.2019.102045, 2019 (indexare ISI, IF=2.426).
- Ris23. Matei-Sorin Axente, Ciprian Dobre, **Radu-Ioan Ciobanu**, Raluca Purnichescu-Purtan, "*Gait Recognition as an Authentication Method for Mobile Devices*", in *Sensors* 20, no. 15 (4110), 2020 (indexare ISI, IF=3.275).
- Ris24. Delia-Georgiana Stuparu, **Radu-Ioan Ciobanu**, Ciprian Dobre, "*Vehicle Detection in Overhead Satellite Images Using a One-Stage Object Detection Model*", in *Sensors* 20, no. 22 (6485), 2020 (indexare ISI, IF=3.275).
- Ris25. Aida-Ștefania Manole, **Radu-Ioan Ciobanu**, Ciprian Dobre, Raluca Purnichescu-Purtan, "*Opportunistic Network Algorithms for Internet Traffic Offloading in Music Festival Scenarios*", in *Sensors* 21, no. 10 (3315), 2021 (indexare ISI, IF=3.275).
- Vis1. **Radu-Ioan Ciobanu**, Ciprian Dobre, Valentin Cristea, "*A Data Dissemination Algorithm for Opportunistic Networks*", in *Proc. of 13th International Symposium on Symbolic and Numeric Algorithms for Scientific Computing (SYNASC '11)*, Timișoara, Romania, 26-29 Sept. 2011, pp. 299-305, IEEE 2012, ISBN: 978-1-4673-0207-4, DOI: 10.1109/SYNASC.2011.56, Accession Number: WOS:000393311800045.
- Vis2. **Radu-Ioan Ciobanu**, Mihai-Ovidiu Tîrșă, Raluca Lupu, Sonia Stan, Mugurel Ionuț Andreica, "*SCONeP: Steganography and Cryptography approach for UDP and ICMP*", in *Proc. of 10th Roedunet International Conference (RoEduNet)*, Iași, Romania, June 2011, pp. 1-6, IEEE 2011, ISBN: 978-1-4577-1233-3, ISSN: 2068-1038, DOI: 10.1109/RoEduNet.2011.5993700.
- Vis3. **Radu Ioan Ciobanu**, Ciprian Dobre, Valentin Crzzistea, Dhiya Al-Jumeily, "*Social Aspects for Opportunistic Communication*", in *Proc. of 11th International Symposium on Parallel and Distributed Computing (ISPDC 2012)*, Munich, Germany, 25-29 June 2012, pp. 251-258, IEEE 2012, ISBN: 978-1-4673-2599-8, DOI: 10.1109/ISPDC.2012.41.
- Vis4. **Radu Ioan Ciobanu**, Ciprian Dobre. "*Predicting encounters in opportunistic networks*", in *Proceedings of the 1st ACM workshop on High performance mobile opportunistic systems (HP-MOSys '12)*, Paphos, Cyprus, October 2012, pp. 9-14, ACM 2012, ISBN: 978-1-4503-1629-3, DOI: 10.1145/2386980.2386983, Accession Number: WOS:000312779900002.
- Vis5. **Radu Ioan Ciobanu**, Ciprian Dobre, Valentin Cristea, "*Social aspects to support opportunistic networks in an academic environment*", in *Proceedings of the 11th international conference on Ad-hoc, Mobile, and Wireless Networks (ADHOC-NOW '12)*, Belgrade, Serbia, July 2012, pp. 69-82, Springer-Verlag, Berlin, Heidelberg 2012, ISBN: 978-3-642-31637-1, DOI: 10.1007/978-3-642-31638-8_6, Accession Number: WOS:000325935000006.
- Vis6. **Radu Ioan Ciobanu**, Ciprian Dobre, Valentin Cristea, "*Reducing Congestion for Routing Algorithms in Opportunistic Networks with Socially-Aware Node Behavior Prediction*", in *Proc. of 27th International Conference on Advanced Information Networking and Applications (AINA-2013)*, Barcelona, Spain, 25-28 March 2013, pp. 554-561, IEEE 2013, ISBN: 978-0-7695-4953-8, ISSN: 1550-445X, DOI: 10.1109/AINA.2013.63, Accession Number: WOS:000324398900073.
- Vis7. **Radu Ioan Ciobanu**, Ciprian Dobre, Mihai Dascalu, Stefan Trausan-Matu, Valentin Cristea, "*Collaborative Selfish Node Detection with an Incentive Mechanism for Opportunistic Networks*", in *Integrated Network Management (IM 2013)*, 2013 IFIP/IEEE International Symposium on, pp. 1161-1166, IEEE 2013, ISBN: 978-1-4673-5229-1, Accession Number: WOS:000327159900191.
- Vis8. **Radu Ioan Ciobanu**, Ciprian Dobre, Valentin Cristea, "*SPRINT: Social Prediction-Based Opportunistic Routing*", in *World of Wireless, Mobile and Multimedia Networks (WoWMoM)*, 2013 IEEE 14th International Symposium and Workshops on a, Madrid, Spain, June 2013, pp. 1-7, IEEE 2013, ISBN: 978-1-4673-5827-9, DOI: 10.1109/WoWMoM.2013.6583442.

- Vis9. Daniel Reina, **Radu Ioan Ciobanu**, Sergio Toral, Ciprian Dobre, Federico Barrero, "*Analysis of Probabilistic Forwarding in Opportunistic Networks Using the Percolation Theory*", in Sixth International Conference on Developments in e-Systems Engineering (DeSE2013), Abu Dhabi, UAE, December 2013, IEEE 2015, ISBN: 978-1-4799-5263-2, ISSN: 2161-1343, DOI: 10.1109/DeSE.2013.18, Accession Number: WOS:000380467500009.
- Vis10. **Radu-Ioan Ciobanu**, Radu-Corneliu Marin, Ciprian Dobre, Valentin Cristea, Constandinos X. Mavromoustakis, "*ONSIDE: Socially-Aware and Interest-Based Dissemination in Opportunistic Networks*", in Proc. of the Sixth IEEE/IFIP International Workshop on Management of the Future Internet (ManFI 2014), Krakow, Poland, 5-29 May 2014, IEEE 2014, ISBN: 978-1-4799-0913-1, DOI: 10.1109/NOMS.2014.6838390, Accession Number: WOS:000356862300159.
- Vis11. **Radu-Ioan Ciobanu**, Radu-Corneliu Marin, Ciprian Dobre, Valentin Cristea, Constandinos X. Mavromoustakis, George Mastorakis, "*Opportunistic Dissemination using Context-Based Data Aggregation over Interest Spaces*", in IEEE International Conference on Communications (ICC 2015), London, UK, 8-12 June 2014, IEEE 2015, ISBN: 978-1-4673-6432-4, ISSN: 1550-3607, DOI: 10.1109/ICC.2015.7248489, Accession Number: WOS:000371708101070.
- Vis12. Cristian Pop, **Radu-Ioan Ciobanu**, Radu-Corneliu Marin, Ciprian Dobre, Constandinos X. Mavromoustakis, George Mastorakis, Joel J.P.C. Rodrigues, "*Data Dissemination in Vehicular Ad Hoc Networks using Context Spaces*", in 2015 IEEE Global Communications Conference (GC'15 Workshops), San Diego, CA, USA, 6-10 December 2015, IEEE 2015, ISBN: 978-1-4673-9526-7, DOI: 10.1109/GLOCOMW.2015.7413963, Accession Number: WOS:000380457400008.
- Vis13. Radu Drăgan, **Radu-Ioan Ciobanu**, Ciprian Dobre, Constandinos X. Mavromoustakis, George Mastorakis, "*Multimedia sharing over opportunistic networks*", in 2016 IEEE 12th International Conference on Intelligent Computer Communication and Processing (ICCP), pp. 409-416, IEEE 2016, ISBN: 978-1-5090-3899-2, DOI: 10.1109/ICCP.2016.7737181, Accession Number: WOS:000391857000053.
- Vis14. **Radu-Ioan Ciobanu**, Ciprian Dobre, Daniel Gutierrez Reina, Sergio L. Toral, "*A dynamic data routing solution for opportunistic networks*", in 2017 14th International Conference on Telecommunications (ConTEL), pp. 83-90, IEEE 2017, ISBN: 000427070900015, DOI: 10.23919/ConTEL.2017.8000043, Accession Number: WOS:000427070900015.
- Vis15. Radu Drăgan, **Radu-Ioan Ciobanu**, Ciprian Dobre, "*Leader election in opportunistic networks*", in 2017 16th International Symposium on Parallel and Distributed Computing (ISPDC), pp. 157-164, IEEE 2017, ISBN: 978-1-5386-0862-3, DOI: 10.1109/ISPDC.2017.10, Accession Number: WOS:000419859700019.
- Vis16. Tudor Rogojanu, Mihai Ghita, Valeriu Stanciu, **Radu-Ioan Ciobanu**, Radu-Corneliu Marin, Florin Pop, Ciprian Dobre, "*NETIoT: A Versatile IoT Platform Integrating Sensors and Applications*", in 2018 Global Internet of Things Summit (GIoTS), pp. 1-6, IEEE 2018, ISBN: 978-1-5386-6451-3, DOI: 10.1109/GIOTS.2018.8534552, Accession Number: WOS:000456099600024.
- Vis17. **Radu-Ioan Ciobanu**, Ciprian Dobre, "*Mobile Interactions and Computation Offloading in Drop Computing*", in International Conference on Network-Based Information Systems, pp. 361-373, Springer Cham 2018, ISBN: 978-3-319-98530-5; 978-3-319-98529-9, DOI: 10.1007/978-3-319-98530-5_30, Accession Number: WOS:000465022600030.
- Vis18. Andrei Ionescu-Tăutu, **Radu-Ioan Ciobanu**, Radu-Corneliu Marin, Ciprian Dobre, "*HYCCUPS: Opportunistic Engine for Device-to-Device Communication on Android*". in 2018 Global Information Infrastructure and Networking Symposium (GIIS), pp. 1-5, IEEE 2018, ISBN: 978-1-5386-7272-3, DOI: 10.1109/GIIS.2018.8635754, Accession Number: WOS:000461059500035.
- Vis19. Vladut-Constantin Tabusca, **Radu-Ioan Ciobanu**, Ciprian Dobre, "*Data Consistency in Mobile Collaborative Networks Based on the Drop Computing Paradigm*", in 2018 IEEE International Conference on Computational Science and Engineering (CSE), pp. 29-35, IEEE 2018, ISBN: 978-1-5386-7649-3, DOI: 10.1109/CSE.2018.00011, Accession Number: WOS:000458738400004.
- Vis20. Radu Drăgan, **Radu-Ioan Ciobanu**, Ciprian Dobre, "*Reaching Consensus in Opportunistic Networks*", in 2018 IEEE International Conference on Pervasive Computing and Communications Workshops (PerCom Workshops), pp. 722-727, IEEE 2018, ISBN: 978-1-5386-3227-7, DOI: 10.1109/PERCOMW.2018.8480139.
- Vis21. **Radu-Ioan Ciobanu**, Ciprian Dobre, "*On Opportunities for Mobile Offloading*", in 2018 IEEE Global Communications Conference (GLOBECOM), pp. 1-6, IEEE 2018, ISBN: 978-1-5386-4727-1, DOI: 10.1109/GLOCOM.2018.8647587, Accession Number: WOS:000465774302123.
- Vis22. Radu-Corneliu Marin, Alexandru Gherghina-Pestrea, Alexandru Florin Robert Timisica, **Radu-Ioan Ciobanu**, Ciprian Dobre, "*Device to Device Collaboration for Mobile Clouds in Drop Computing*", in 2019 IEEE International Conference on Pervasive Computing and Communications Workshops (PerCom Workshops), pp. 298-303, IEEE 2019, ISBN: 978-1-5386-9151-9, DOI: 10.1109/PERCOMW.2019.8730788, Accession Number: WOS:000476951900054.

- Vis23. George Suciu, Mihaela Balanescu, Carmen Nadrag, Andrei Birdici, Cristina Mihaela Balaceanu, Marius Alexandru Dobrea, Adrian Pasat, **Radu-Ioan Ciobanu**, "*IoT System for Air Pollutants Assessment in Underground Infrastructures*", in Proceedings of the 6th Conference on the Engineering of Computer Based Systems, pp. 1-7, 2019, DOI: 10.1145/3352700.3352710.
- Vis24. Lidia Bajenaru, Ciprian Dobre, **Radu-Ioan Ciobanu**, Alexandru Balog, "*Patient Profile Using Ontologies in an Older Adults Monitoring IoT-Based Platform*", in 2019 E-Health and Bioengineering Conference (EHB), pp. 1-4, IEEE 2019, ISBN: 978-1-7281-2603-6, DOI: 10.1109/EHB47216.2019.8970027.
- Vis25. Mihaela Balanescu, Iulia Oprea, George Suciu, Marius-Alexandru Dobrea, Cristina Balaceanu, **Radu-Ioan Ciobanu**, Ciprian Dobre, "*A Study on Data Accuracy for IoT Measurements of PMs Concentration*", in 2019 22nd International Conference on Control Systems and Computer Science (CSCS), pp. 182-187, IEEE 2019, ISBN: 978-1-7281-2331-8, DOI: 10.1109/CSCS.2019.00038, Accession Number: WOS:000491270300031.
- Vis26. Elena Cebanov, Ciprian Dobre, Alexandru Gradinaru, **Radu-Ioan Ciobanu**, Valeriu-Daniel Stanciu, "*Activity Recognition for Ambient Assisted Living Using Off-the-shelf Motion Sensing Input Devices*", in 2019 Global IoT Summit (GIoTS), pp. 1-6, IEEE 2019, ISBN: 978-1-7281-2171-0, DOI: 10.1109/GIOTS.2019.8766379, Accession Number: WOS:000492300300021.
- Vis27. Lidia Băjenaru, Ciprian Dobre, **Radu-Ioan Ciobanu**, Georgiana Dedu, Silviu-George Pantelimon, Ion Alexandru Marinescu, Veronica Gavrilă, "*Depth-based Human Activity Recognition: vINCI Case Study*", in 2020 International Conference on e-Health and Bioengineering (EHB), pp. 1-4, IEEE, 2020, ISBN: 978-1-7281-8803-4, DOI: 10.1109/EHB50910.2020.9279887, Accession Number: WOS:000646194100013.
- Vis28. Andreea Șonea, Ciprian Dobre, **Radu-Ioan Ciobanu**, George Suciu, "*Smart Vehicular Routing Based on Crowdsensed Data Using Dynamic Traffic Light Control*", in 2020 IEEE International Conference on Pervasive Computing and Communications Workshops (PerCom Workshops), pp. 1-6, IEEE, 2020, ISBN: 978-1-7281-4716-1, DOI: 10.1109/PerComWorkshops48775.2020.9156154, Accession Number: WOS:000612838200064.
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