

List of JOURNAL papers related to COST CA15127-RECODIS

2016 (Mar-Dec): 14

2017 (Jan-Dec): 23

2018 (Jan-Dec): 31

2019 (Jan-Dec): 32

2020 (Jan-Feb): 7

TOTAL: 107

No	Paper title	Authors	Journal	Volume	No	Pages	Publisher	Countries of affiliation	Year
1	Optimal lifetime-aware operation of green optical backbone networks	Natalino, Carlos and Chiaraviglio, Luca and Idzikowski, Filip and Frances, Carlos RL and Wosinska, Lena and Monti, Paolo	IEEE Journal on Selected Areas in Communications	34	12	3915--3926	IEEE	Sweden; Italy; Poland	2016
2	Physical-Layer Security in Evolving Optical Networks	N. Skorin-Kapov, M. Furdek, Z. Szilard, L. Wosinska	IEEE Communications Magazine	54	8	110-117	IEEE	Spain, Sweden, USA	2016
3	Review and analysis of networking challenges in cloud computing	Moura, J. A. & Hutchison, D.,	Journal of Network and Computer Applications.	60		113-129	Elsevier	Portugal, UK	2016
4	Toward Disaster-Resilient Communications: Highlights from the First Meeting of the COST RECODIS Action	Jacek Rak, David Hutchison	IEEE Communications Magazine	54	12	1-4	IEEE	Poland, United Kingdom	2016
5	Attack Detection and Distributed Forensics in Machine-to-Machine Network	K. Wang, M. Du, Y. Sun, A. Vinel, Y. Zhang	IEEE Network	30	6	49-55	IEEE	Sweden, Norway	2016
6	An Enhanced Hybrid Social Based Routing Algorithm for MANET-DTN	MATIS, Martin - DOBOS, Lubomir, PAPAJ, Jan	Mobile Information Systems.	2016		1-12	Hindawi	Slovakia	2016
7	Cooperation between Trust and Routing Mechanisms for Relay Node Selection in Hybrid MANET-DTN	PAPAJ, Jan - Dobos, Lubomir	Mobile Information Systems.	2016		1-18	Hindawi	Slovakia	2016
8	Degree distribution and assortativity in line graphs of complex networks	X. Wang, S. Trajanovski, R.E. Kooij, P. Van Mieghem	Physica A: Statistical Mechanics and its Applications	445		343-356	Elsevier	Netherlands	2016
9	Distributed Monitoring Problem	D. Papadimitriou, B. Fortz	Electronic Notes in Discrete Mathematics (ENDM)	52		13-20	Elsevier	Belgium	2016
10	Interconnectivity structure of a general interdependent network	Van Mieghem	Physical Review E	93	4	1-11	American Physical Society	Netherlands	2016
11	Maximizing the reliability of dual homed, critical services in wireless/cellular networks	Følstad, Eirik Larsen; Helvik, Bjarne Emil	Optical Switching and Networking Journal,19,	19	2	110-121	Elsevier	Norway	2016

No	Paper title	Authors	Journal	Volume	No	Pages	Publisher	Countries of affiliation	Year
12	Modeling region-based interconnection for interdependent networks	Wang, X., R. E. Kooij and P. Van Mieghem	Physical Review E	94	4	42315	American Physical Society	Netherlands	2016
13	Resilience and Security: A Qualitative Survey of Urban Smart Grid Architectures	P. Eder-Neuhauser, T. Zseby, J. Fabini:	IEEE Access	4		839 -848	IEEE	Austria	2016
14	Tunable Survivable Spanning Trees	J. Yallouz, O. Rottenstreich and A. Orda	IEEE/ACM Transactions on Networking	24	3	1853-1866	IEEE	Israel	2016
15	A Dynamic Pricing Algorithm for a Network of Virtual Resources	Bram Naudts, Mario Florés, Rashid Mijumbi, Sofie Verbrugge, Joan Serrat, Didier Colle	International Journal of Network Management	27	2		Wiley	Belgium, Spain, Ireland	2017
16	Comparing the Effects of Failures in Power Grids under the AC and DC Power Flow Models	Cetinay, H., S. Soltan, F. A. Kuipers, G. Zussman and P. Van Mieghem	IEEE Transactions on Network Science and Engineering	5	4	301-312	IEEE	Netherlands, USA	2017
17	Dedicated protection of multicast sessions in mixed-graph sparse-splitting optical networks	Gomes, Teresa and Raposo, Luís and Ellinas, George	Networks	70	4	360-372	Wiley Online Library	Greece, Portugal	2017
18	Information-driven network resilience: Research challenges and perspectives	J. Rak, D. Papadimitriou, H. Niedermayer, and P. Romero	Optical Switching and Networking	23	2	156-178	Elsevier	Poland, Belgium, Germany, Uruguay	2017
19	Network service orchestration standardization: A technology survey	Charalampos Rotsos, Daniel King, Arsham Farshad, Jamie Bird, Lyndon Fawcett, Nektarios Georgalas, Matthias Gunkel, Kohei Shiomoto, Aijun Wang, Andreas Mauthe, Nicholas Race, David Hutchison	Computer Standards & Interfaces	54		203-215	North-Holland	United Kingdom, Germany, Japan, China	2017
20	Pseudoinverse of the Laplacian and best spreader node in a network	Van Mieghem, P., K. Devriendt and H. Cetinay	Physical Review E	96	3	032311	American Physical Society	Netherlands; Belgium	2017
21	The effect of weather on quality of experience in optical wireless communication system	Bruzgiene, Rasa; Narbutaite, Lina; Leitgeb, Erich; Pezzei, Pirmin; Plank, Thomas	APPLIED ELECTROMAGNETISM	19	2	23-32	ICCS	Austria, Lithuania	2017
22	A Lagrangian heuristic algorithm for the time-dependent combined network design and routing problem	B. Fortz, E. Gorgone, and D. Papadimitriou	Networks	69	1	110-123	Wiley	Belgium	2017
23	Analysis of affordance, time and adaptation in the assessment of industrial control system cybersecurity risk	Busby, J. S., Green, B. & Hutchison, D.	Risk Analysis	37	7	1298-1314	Wiley	United Kigdom	2017
24	Computing the impact of disasters on networks	Oostenbrink, Jorik and Kuipers, Fernando	ACM SIGMETRICS Performance Evaluation Review	45	2	107--110	ACM	Netherlands	2017
25	Container network functions: bringing NFV to the network edge	Cziva, Richard and Pezaros, Dimitrios P	IEEE Communications Magazine	55	6	24--31	IEEE	United Kingdom	2017

No	Paper title	Authors	Journal	Volume	No	Pages	Publisher	Countries of affiliation	Year
26	Cyber attack models for smart grid environments	P. Eder-Neuhauser, T. Zseby, J. Fabini, G. Vormayr:	Sustainable Energy, Grids and Networks,	12 (2017)	12C	10-29	Elsevier	Austria	2017
27	Efficient heuristics for determining node-disjoint path pairs visiting specified nodes	Martins, Lúcia and Gomes, Teresa and Tipper, David	Networks	70	4	292--307	Wiley	Portugal, USA	2017
28	Enhancing network robustness via shielding	J Zhang, E Modiano, D Hay	IEEE/ACM Transactions on Networking	25	4	2209-2222	IEEE/ACM	Israel, United States	2017
29	Including Failure Correlation in Availability Modeling of a Software-Defined Backbone Network	Nencioni, Gianfranco; Helvik, Bjarne Emil; Heegaard, Poul Einar	IEEE Transactions on Network and Service Management	14	4	1032--1045	IEEE	Norway	2017
30	No Packet Left Behind: Avoiding Starvation in Dynamic Topologies	S. Vargaftik, I. Keslassy and A. Orda	IEEE/ACM Transactions on Networking	25	4	2571 - 2584	IEEE	Israel	2017
31	Protection strategies for virtual network functions placement and service chains provisioning	Hmaity, Ali and Savi, Marco and Musumeci, Francesco and Tornatore, Massimo and Pattavina, Achille	Networks	70	4	373--387	Wiley Online Library	Italy	2017
32	Survivability analysis of a two-tier infrastructure-based wireless network	Lang Xie, Poul Einar Heegaard and Yuming Jiang	Computer Networks	128		28--40	Elsevier	China, Norway	2017
33	Tunable QoS-Aware Network Survivability	J. Yallouz and A. Orda	IEEE/ACM Transactions on Networking	25	1	139 - 149	IEEE	Israel	2017
34	Using interdependency matrices to mitigate targeted attacks on interdependent networks: A case study involving a power grid and backbone telecommunications networks	Rueda, Diego F, Calle, Eusebi	International Journal of Critical Infrastructure Protection	16		44168	Elsevier	SPAIN	2017
35	Robustness Comparison of 15 Real Telecommunication Networks: Structural and Centrality Measurements	Diego F. Rueda, Eusebi Calle & Jose L. Marzo	Journal of Network and Systems Management	25	2	269-289	Springer	Spain	2017
36	Unambiguous Switching Link Group Failure Localization in All-Optical Networks	Alija Pašić, Péter Babarcsi, and János Tapolcai	Wiley Networks Journal	70	4	327-341	Wiley	Hungary	2017
37	A column generation technique for routing and spectrum allocation in cloud--ready survivable elastic optical networks	Gołs{cie}{n}, R{o}{z}a and Walkowiak, Krzysztof	International Journal of Applied Mathematics and Computer Science	27	3	591--603	De Gruyter Open	Poland	2017
38	Assessing the Maturity of SDN Controllers with Software Reliability Growth Models	Vizarreta, Petra; Trivedi, Kishor; Helvik, Bjarne Emil; Heegaard, Poul Einar; Blenk, Andreas; Kellerer, Wolfgang; Machuca, Carmen Mas	IEEE Transactions on Network and Service Management	15	3	1090--1104	IEEE press	Norway, Germany, USA	2018
39	CDS-MEC: NFV/SDN-based application management for MEC in 5G systems	Schiller, Eryk and Nikaein, Navid and Kalogeiton, Eirini and Gasparyan, Mikael and Braun, Torsten	Computer Networks	135		96--107	Elsevier	Switzerland, France	2018

No	Paper title	Authors	Journal	Volume	No	Pages	Publisher	Countries of affiliation	Year
40	Cooperative awareness in VANETs: On ETSI EN 302 637-2 performance	Lyamin, N., A. Vinel, M. Jonsson, and B. Bellalta	IEEE Transactions on Vehicular Technology	67	1	17-28	IEEE	Spain, Sweden	2018
41	Dependability of the NFV Orchestrator: State of the Art and Research Challenges	Gonzalez, Andres Javier; Nencioni, Gianfranco; Kamisinski, Andrzej; Helvik, Bjarne Emil; Heegaard, Poul Einar	IEEE Communications Surveys and Tutorials	20	4	3307--3329	IEEE	Norway, Poland	2018
42	Enhanced Interconnection Model in Geographically Interdependent Networks	DF Rueda, E Calle, X Wang, RE Kooij	International Journal of Computers Communications & Control	13	4	537-549		Colombia; Spain; Netherlands	2018
43	Exploring the logical layer to support differentiated resilience classes in multilayer networks	Alashaikh, Abdulaziz and Tipper, David and Gomes, Teresa	Annals of Telecommunications	73	1-2	63--79	Springer	Portugal, USA	2018
44	Minimum-Weight Link-Disjoint Node-"Somewhat Disjoint" Paths	J. Yallouz, O. Rottenstreich, P. Babarczy, A. Mendelson and A. Orda	IEEE/ACM Transactions on Networking	26	3	1110 - 1122	IEEE	Hungary, Israel	2018
45	RASCAR: Recovery-aware switch-controller assignment and routing in SDN	S Sedef Savas, Massimo Tornatore, Ferhat Dikbiyik, Aysegul Yayimli, Charles U Martel, Biswanath Mukherjee, Turkey	IEEE Transactions on Network and Service Management	15	4	1222-1234	IEEE	Italy, USA, Turkey	2018
46	Robust hierarchical control plane for transport software-defined networks	Rafael BR Lourenço, S Sedef Savas, Massimo Tornatore, Biswanath Mukherjee	Optical Switching and Networking	30		10--22	Elsevier	Brasil, Italy, USA	2018
47	Stop and Forward: Opportunistic Local Information Sharing UnderWalking Mobility	Gianluca Rizzo, Vincenzo Mancuso, Shahzad Ali, Marco Ajmone Marsan	Ad Hoc Networks	78		54-72	Elsevier	Italy, Spain, Switzerland	2018
48	Surveillance and security: protecting electricity utilities and other critical infrastructures	Gouglidis, Antonios and Green, Benjamin and Hutchison, David and Alshawish, Ali and de Meer, Hermann	Energy Informatics	1	1	15	Springer	Germany, United Kingdom	2018
49	The GeoSteiner software package for computing Steiner trees in the plane: an updated computational study	Daniel Juhl, David M. Warme, Pawel Winter, Martin Zachariasen	Mathematical Programming Computation	10		487-532	Springer	Germany, US	2018
50	Architecture and design for resilient communication systems	Hutchison, D. & Sterbenz, J. P. G.,	Computer Communications	131		13-21	Elsevier	United Kingdom, USA	2018
51	Connectivity Times in Vehicular Networks	Fiems, Dieter and Vinel, Alexey	IEEE Communications Letters	22	11	2270-2273	IEEE	Belgium, Sweden	2018
52	A Selective Offloading in Mobile Edge Computing for the Green Internet of Things	Xinchen Lyu ; Hui Tian ; Li Jiang ; Alexey Vinel ; Sabita Maharjan ; Stein Gjessing ; Yan Zhang	IEEE Network	32	1	54-60	IEEE	Norway, Sweden	2018

No	Paper title	Authors	Journal	Volume	No	Pages	Publisher	Countries of affiliation	Year
53	Joint optimization of failure management costs, electricity costs, and operator revenue in optical core networks	Natalino, Carlos and Chiaraviglio, Luca and Idzikowski, Filip and Wosinska, Lena and Monti, Paolo	IEEE Transactions on Green Communications and Networking	2	1	291-304	IEEE	Sweden; Italy; Poland	2018
54	A Multi-Pronged Approach to Adaptive and Context Aware Content Dissemination in VANETs	Joao M. Duarte, Eirini Kalogeiton, Ridha Soua, Gaetano Manzo, Maria Rita Palattella, Antonio Di Maio, Torsten Braun, Thomas Engel, Leandro A. Villas, and Gianluca Rizzo	Mobile Networks and Applications	23		1247–1259	Springer	Brasil, Luxembourg, Switzerland	2018
55	An Inter-domain Collaboration Scheme to Remedy DDoS Attacks in Computer Networks	Simpson, S., Shirazi, S. N., Marnerides, A., Jouet, S., Pezaros, D. & Hutchison, D.	IEEE Transactions on Network and Service Management.	15	3	879-893	IEEE	United Kingdom	2018
56	Computing minimum 2-edge-connected Steiner networks in the Euclidean plane	Marcus Brazil, Marcus Volz, Martin Zachariasen, Charl Ras, Doreen Thomas	Networks	71	1	89-103	Wiley	Denmark, Australia	2018
57	Internet traffic characterisation: Third-order statistics & higher-order spectra for precise traffic modelling	Marnerides, Angelos K and Pezaros, Dimitrios P and Hutchison, David	Computer Networks	134		183-201	Elsevier	United Kingdom	2018
58	Malware propagation in smart grid monocultures	P Eder-Neuhauser, T Zseby, J Fabini	e&i Elektrotechnik und Informationstechnik	135	3	264-269	Springer	Austria	2018
59	Mixed integer optimization for the combined capacitated facility location-routing problem	D. Papadimitriou, D. Colle, and P, Demeester	Annals of Telecommunications	73	1-2	37-62	Springer	Belgium	2018
60	Network recovery based on system crash early warning in a cascading failure model	Dong Zhou, Ahmed Elmokashfi	Scientific reports	8		1-9	Nature Publishing Group	Norway	2018
61	Node Virtualization for IP Level Resilience	Mate Nagy, Janos Tapolcai, Gabor Retvari	IEEE/ACM Transactions on Networking	26	3	1250-1263	IEEE	Hungary	2018
62	Orchestration and Control in Software-Defined 5G Networks: Research Challenges	Nencioni, Gianfranco; Garroppo, Rosario G.; Gonzalez, Andres J.; Helvik, Bjarne Emil; Prociassi, Gregorio	Wireless Communications & Mobile Computing	2018		1-18	Hindawi	Italy, Norway	2018
63	Security Challenges in Control Network Protocols: A Survey	Anna Volkova; Michael Niedermeier; Robert Basmadjian; Hermann de Meer	IEEE Communications Surveys & Tutorials	21	1	619-639	IEEE	Germany	2018
64	The design of transparent optical networks minimizing the impact of critical nodes	Barbosa, F{\'a}bio and de Sousa, Amaro and Agra, Agostinho	Electronic Notes in Discrete Mathematics	64		165-174	Elsevier	Portugal	2018

No	Paper title	Authors	Journal	Volume	No	Pages	Publisher	Countries of affiliation	Year
65	Robustness Quantification of Hierarchical Complex Networks under Targeted Attacks	K. Bilal, M. Manzano, A. Erbad, E. Calle, S. Khan	Computers and Electrical Engineering	5		112-124	Elsevier	US, Spain	2018
66	Compact models for critical node detection in telecommunication networks	Santos, Dorabella and de Sousa, Amaro and Monteiro, Paulo	Electronic Notes in Discrete Mathematics	64		325-334	Elsevier	Portugal	2018
67	Consistency-aware weather disruption-tolerant routing in SDN-based wireless mesh networks	Yaghoubi, Forough and Furdek, Marija and Rostami, Ahmad and Öhlén, Peter and Wosinska, Lena	IEEE Transactions on Network and Service Management	15	2	582-595	IEEE	Sweden	2018
68	On the efficiency of survivable flex-grid SDM networks	Róża Goścień, Krzysztof Walkowiak	Journal of Lightwave Technology	36	10	1815-1823	IEEE	Poland	2018
69	A Deep Learning Strategy for Vehicular Floating Content Management.	Gaetano Manzo, Sebastian Otalora, Marco Ajmone Marsan and Gianluca Rizzo.	SIGMETRICS Performance Evaluation Review	46		159-162	ACM	Italy, Spain, Switzerland	2019
70	A study of the robustness of optical networks under massive failures	J.L. Marzo, S.G. Cosgaya, N. Skorin-Kapov, C. Scoglio, H. Shakeri	Optical Switching and Networking	31		1--7	Science direct	Spain, USA	2019
71	A Tutorial on Machine Learning for Failure Management in Optical Networks	Francesco Musumeci, Cristina Rottondi, Giorgio Corani, Shahin Shahkarami, Filippo Cugini, Massimo Tornatore	IEEE/OSA Journal of lightwave technology	37	16	4125-4139	IEEE/OSA	Italy, Switzerland	2019
72	Anonymous lightweight proxy based key agreement for iot (alpka)	Braeken, An and Liyanage, Madhusanka and Jurcut, Anca Delia	Wireless Personal Communications	106	2	345-364	Springer	Belgium, Finland, Ireland	2019
73	Availability-driven NFV orchestration	Casazza, Marco and Bouet, Mathieu and Secci, Stefano	Computer Networks	155		47-61	Elsevier	France, Italy	2019
74	Characterizing Packet Losses in Vehicular Networks	Bocharova, Irina and Kudryashov, Boris and Rabi, Maben and Lyamin, Nikita and Dankers, Wouter and Frick, Erik and Vinel, Alexey	IEEE Transactions on Vehicular Technology	68	9	8347-8358	IEEE	Estonia, Sweden	2019
75	Data evacuation from data centers in disaster-affected regions through software-defined satellite networks	Rafael BR Lourenço, Gustavo B Figueiredo, Massimo Tornatore, Biswanath Mukherjee	Computer Networks	148		88-100	Springer	Brasil, Italy, USA	2019
76	Efficient Recovery Path Computation for Fast Reroute in Large-scale Software Defined Networks, , Vol. 37, No. 8, pp: 1755-1768, Aug. 2019.	Qiu, Kun and Zhao, Jin and Wang, Xin and Secci, Stefano and Fu, Xiaoming	IEEE Journal on Selected Areas in Communications	37	8	1755-1768	IEEE	China, France, Germany	2019
77	Energy-and fatigue-aware RWA in optical backbone networks	Natalino, Carlos and Idzikowski, Filip and Chiaraviglio, Luca and Wosinska, Lena and Monti, Paolo	Optical Switching and Networking	31		193-201	Elsevier	Sweden; Italy; Poland	2019
78	Evaluating local disaster recovery strategies	Oostenbrink, Jorik and Kuipers, Fernando A and Heegaard, Poul E and Helvik, Bjarne E	ACM SIGMETRICS Performance Evaluation Review	46	2	62-66	ACM New York, NY, USA	Netherlands, Norway	2019

No	Paper title	Authors	Journal	Volume	No	Pages	Publisher	Countries of affiliation	Year
79	Experimental Study of Machine-Learning-Based Detection and Identification of Physical-Layer Attacks in Optical Networks	Natalino, Carlos and Schiano, Marco and Di Giglio, Andrea and Wosinska, Lena and Furdek, Marija	Journal of Lightwave Technology	37	16	4173-4182	IEEE	Italy, Sweden	2019
80	Infrastructure upgrade framework for Content Delivery Networks robust to targeted attacks	Natalino, Carlos and Yayimli, Aysegul and Wosinska, Lena and Furdek, Marija	Optical Switching and Networking	31		202-210	Elsevier	Sweden, Turkey	2019
81	Internet provisioning in VANETs: Performance modeling of drive-thru scenarios	Evdokimova, Ekaterina and Vinel, Alexey and Lyamin, Nikita and Fiems, Dieter	IEEE Transactions on Intelligent Transportation Systems	Early Access			IEEE	Belgium, Sweden	2019
82	Low Delay Inter-Packet Coding in Vehicular Networks	Bocharova, Irina and Kudryashov, Boris and Lyamin, Nikita and Frick, Erik and Rabi, Maben and Vinel, Alexey	Future Internet	11	10	212	Multidisciplinary Digital Publishing Institute	Estonia, Sweden	2019
83	MPTCP Robustness Against Large-Scale Man-in-the-Middle Attacks	Phung, Dung-Chi and Felix, Benevid and Nogueira, Michele and Secci, Stefano	Computer Networks	164			Elsevier	Brazil, France	2019
84	Network-Aware Availability Modeling of an End-to-End NFV-Enabled Service	Tola, Besmir; Nencioni, Gianfranco; Helvik, Bjarne Emil	IEEE Transactions on Network and Service Management, 16,4	16	4	1389-1403	IEEE press	Norway	2019
85	New pruning rules for the Steiner tree problem and 2-connected Steiner network problem	Marcus Brazil, Marcus Volz, Martin Zachariasen, Charl Ras, Doreen Thomas	Computational Geometry	78		37-49	Elsevier	Denmark, Australia	2019
86	Novel 5G authentication protocol to improve the resistance against active attacks and malicious serving networks	Braeken, An and Liyanage, Madhusanka and Kumar, Pardeep and Murphy, John	IEEE Access	7		64040-64052	IEEE	Belgium, Ireland, United Kingdom	2019
87	Structural transition in interdependent networks with regular interconnections	Wang, X., R. E. Kooij, Y. Moreno and P. Van Mieghem,	Physical Review E,	99	1	12311	American Physical Society	Netherlands; Spain	2019
88	The controller placement problem for robust SDNs against malicious node attacks considering the control plane with and without split-brain	Santos, Dorabella and de Sousa, Amaro and Machuca, Carmen Mas	Annals of Telecommunications	74	9-10	575--591	Springer	Germany, Portugal	2019
89	Toward a More Reliable System for Contingency Selection in Static Security Analysis of Electric Power Systems	Machado, Juarez da Silva; Costa, Iverson; Canto, José Vicente dos Santos; Barbosa, Jorge Luis Victória; Braun, Torsten; Pessin, Gustavo	IEEE Systems Journal	14	1	1183-1194	IEEE	Switzerland, Brasil	2019
90	Visual Surveillance within the EU General Data Protection Regulation: A Technology Perspective	Mamoona N. Asghar, Nadia Kanwal, Brian Lee, Martin Fleury, Marco Herbst, Yuansong Qiao	IEEE Access	7		111709-11172	IEEE	Ireland, United Kingdom	2019

No	Paper title	Authors	Journal	Volume	No	Pages	Publisher	Countries of affiliation	Year
91	Mobility-aware cross-layer routing for peer-to-peer networks	Deokate, Balu and Lal, Chhagan and Tr{\v{c}}ek, Denis and Conti, Mauro	Computers & Electrical Engineering	73		209--226	Elsevier	India, Slovenia, Italy	2019
92	Minimization of the network availability upgrade cost with geodiverse routing for disaster resilience	de Sousa, Amaro and Gomes, Teresa and Girão-Silva, Rita and Martins, Lúcia	Optical Switching and Networking	31		127--143	Elsevier	Portugal	2019
93	Per-Host DDoS Mitigation by Direct-Control Reinforcement Learning	Simpson, Kyle A and Rogers, Simon and Pezaros, Dimitrios P	IEEE Transactions on Network and Service Management	17	1	103-117	IEEE	United Kingdom	2019
94	Quality-focused resource allocation for resilient 5G network	Bruzgiene, Rasa; Narbutaite, Lina; Adomkus, Tomas	Photonic Network Communications	37	3	361--375	Springer	Lithuania	2019
95	Relay grouping to guarantee timeliness and reliability in wireless networks	Hoang, L.-N., E. Uhlemann, and M. Jonsson	IEEE Communications Letters	23	9	1661-1664	IEEE	Sweden	2019
96	Resilient BBU placement in 5G C-RAN over optical aggregation networks	M Shehata, F Musumeci, M Tornatore	Photonic Network Communications	37		388--398	Springer	Italy	2019
97	Embedded network design to support availability differentiation	Alashaikh, Abdulaziz and Tipper, David and Gomes, Teresa	Annals of Telecommunications	74	9-10	605--623	Springer	Portugal, USA	2019
98	Self-Organization and Resilience for Networked Systems: Design Principles and Open Research Issues	Dobson, S., Hutchison, D., Mauthe, A. U., Schaeffer-Filho, A. E., Smith, P. & Sterbenz, J. PG.	Proceedings of IEEE	107	4	819-834	IEEE	Austria, Brazil, Germany, United Kingdom, USA	2019
99	Scalable and Efficient Multipath Routing via Redundant Trees	J. Tapolcai, G. Rétvári, P. Babarcsi, and E. Bérczi-Kovács	IEEE Journal on Selected Areas in Communications – Special Issue on Network Softwarization & Enablers	37	5	982-996	IEEE	Hungary	2019
100	Techno-economic viability of integrating satellite communication in 4G networks to bridge the broadband digital divide	Chiha, Asma and Van der Wee, Marlies and Colle, Didier and Verbrugge, Sofie	Telecommunications Policy			101874	Elsevier	Belgium	2019
101	Emergency OPM Recreation and Telemetry for Disaster Recovery in Optical Networks	Sugang Xu, Yusuke Hirota, Masaki Shiraiwa, Massimo Tornatore, Sifat Ferdousi, Yoshinari Awaji, Naoya Wada, Biswanath Mukherjee	IEEE/OSA Journal of lightwave technology	Early Access			IEEE/OSA	Italy, Japan, USA	2020
102	Content Placement in 5G-enabled Edge/Core Datacenter Networks Resilient to Link Cut Attacks	Natalino, Carlos and de Sousa, Amaro and Wosinska, Lena and Furdek, Marija	Networks			1--13	Wiley	Portugal, Sweden	2020
103	Shared Risk Link Group disjointness and geodiverse routing: A trade-off between benefit and practical effort	Girão-Silva, Rita and Nedic, Boro and Gunkel, Matthias and Gomes, Teresa	Networks	n/a	n/a	n/a	Wiley Online Library	Germany, Portugal	2020

No	Paper title	Authors	Journal	Volume	No	Pages	Publisher	Countries of affiliation	Year
104	Transition to SDN is HARMLESS: Hybrid ARchitecture for Migrating Legacy Ethernet Switches to SDN	Csikor, L., Szalay, M., Rétvári, G., Pongrácz, G., Pezaros, D. P. and Toka, L.	IEEE/ACM ToN	28	1	275-288	IEEE/ACM	Hungary, United Kingdom	2020
105	Design/upgrade of a transparent optical network topology resilient to the simultaneous failure of its critical nodes	Barbosa, Fabio and de Sousa, Amaro and Agra, Agostinho	Networks			1-18	Wiley	Portugal	2020
106	The Earth is Nearly Flat: Precise and Approximate Algorithms for Detecting Vulnerable Regions of Networks in Plane and on Sphere	B. Vass, L. Németh, and J. Tapolcai	Networks			1-16	Wiley Online Library	Hungary	2020
107	Wireless Sensor Networks: Towards resilience against Weather-based disruptions	Skirelis J., Patlins A., Kunicina N., Romanovs A., Zabasta A.	Electrical, Control and Communication Engineering - A Peer-Reviewed Journal of Riga Technical University.		(submitted)	1-9	RTU	Latvia	2020