List of Conference Papers and Other Publications related to COST CA15127-RECODIS

2016 (Mar-Dec): 31   **2019** (Jan-Dec): 78
2017 (Jan-Dec): 48   **2020** (Jan-Feb): 9
2018 (Jan-Dec): 48   **TOTAL: 214**

No	Paper title	Authors	Conference	Pages	Publisher	Countries of affiliation	Year
1	A Fault-Tolerant and Consistent SDN Controller	Gonzalez, Andres Javier; Nencioni, Gianfranco; Helvik, Bjarne Emil; Kamisinski, Andrzej	2016 IEEE Global Communications Conference (GLOBECOM)		IEEE	Norway; Poland	2016
2	A New Arc-Disjoint-Trees Scheme for Survivable Multicasting in Mixed-Graph Sparse-Splitting Optical Networks	Raposo, Luís and Gomes, Teresa and Ellinas, George	2016 8th International Workshop on Resilient Networks Design and Modeling (RNDM)	158–165	IEEE	Greece, Portugal	2016
3	A survey of strategies for communication networks to protect against large-scale natural disasters	T. Gomes, J. Tapolcai, C. Esposito, D. Hutchison, F.A. Kuipers, J. Rak, A. de Sousa, A. Iossifides, R. Travanca, J. Andre, L. Jorge, L. Martins, P. Ortiz Ugalde, A. Pasic, D. Pezaros, S. Jouet, S. Secci, and M. Tornatore	2016 8th international workshop on resilient networks design and modeling (RNDM)		IEEE	France, Greece, Hungary, Italy, Netherlands, Poland, Portugal, Spain, United Kingdom	2016
4	A Survey on Network Resiliency Methodologies against Weather-based Disruptions	M. Tornatore, J. Andre, P. Babarczi, T. I. Braun, E. Følstad, P. E. Heegaard, A. Hmaity, M. Furdek, L. Garcia Jorge, W. Kmiecik, C. Mas Machuca, C. Medeiros, F. Musumeci, L. Martins, A. Pasic, J. Rak, S. Simpson, R. Travanca, A. G. Voyiatzis,	2016 8th International Workshop on Resilient Networks Design and Modeling (RNDM)	23-34	IEEE	Austria, Hungary, Germany, Italy, Norway, Poland, Portugal, Sweden, Switzerland, United Kingdom	2016
5	A Taxonomy of Challenges to Resilient Message Dissemination in VANETs	Rak, J., M. Jonsson, and A. Vinel	17th International Telecommunications Network Strategy and Planning Symposium (Networks 2016), Montreal, Canada, Sept. 26-28, 2016	127-132	IEEE	Poland, Sweden	2016
6	Availability Modelling of Software-Defined Backbone Networks	Nencioni, Gianfranco; Helvik, Bjarne Emil; Gonzalez, Andres Javier; Heegaard, Poul Einar; Kamisinski, Andrzej	46th Annual IEEE/IFIP International Conference on Dependable Systems and Networks Workshops	105-112	IEEE	Norway, Poland	2016
7	Disaster-resilient communication networks: Principles and best practices	Andreas Mauthe, David Hutchison, Egemen K Cetinkaya, Ivan Ganchev, Jacek Rak, James PG Sterbenz, Matthias Gunkelk, Paul Smith, Teresa Gomes	2016 8th International Workshop on Resilient Networks Design and Modeling (RNDM)	1-10	IEEE	United Kingdom, USA, Ireland, Poland, USA, Germany, Austria, Portugal	2016

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8	Impact of SDN Controllers Deployment on Network Availability	Nencioni, Gianfranco; Helvik, Bjarne Emil; Gonzalez, Andres Javier; Heegaard, Poul Einar; Kamisinski, Andrzej	Preprint	1-5	NTNU	Norway, Poland	2016
9	Optimal Link-Disjoint Node-`Somewhat Disjoint' Paths	J. Yallouz, O. Rottenstreich, P. Babarczi, A. Mendelson and A. Orda	2016 IEEE 24th International Conference on Network Protocols (ICNP)		IEEE	Hungary, Israel	2016
10	Protection strategy against IEMI for wireless communication infrastructures	Stefan van de Beek, Stojilovic, M., Mora, N., Rubinstein, M., Rachidi-Haeri, F., Frank Leferink	2016 International Symposium on Electromagnetic Compatibility (EMC Europe 2016)	455-460	IEEE	Netherlands, Switzerland	2016
11	RECODIS: Resilient communication services protecting end-user applications from disaster-based failures	Rak, Jacek and Hutchison, David and Calle, Eusebi and Gomes, Teresa and Gunkel, Matthias and Smith, Paul and Tapolcai, Janos and Verbrugge, Sofie and Wosinska, Lena	2016 18th International Conference on Transparent Optical Networks (ICTON)	1-4	IEEE	Poland, United Kingdom, Spain, Portugal, Germany, Austria, Hungary, Begium, Sweden	2016
12	Technology-related disasters: A survey towards disaster-resilient Software Defined Networks	Carmen Mas Machuca; Stefano Secci; Petra Vizarreta; Fernando Kuipers; Antonios Gouglidis; David Hutchison; Simon Jouet; Dimitrios Pezaros; Ahmed Elmokashfi ; Poul Heegaard; Sasko Ristov; Marjan Gusev	2016 8th International Workshop on Resilient Networks Design and Modeling (RNDM)	35-42	IEEE	Austria, France, FYROM, Germany, Netherlands, Norway, Scotland, United Kingdom	2016
13	The Quest for Resilient (Static) Forwarding Tables	M. Chiesa, I. Nikolaevskiy, S. Mitrovic, A. Panda, A. Gurtov, A. Madry, M. Schapira, S. Shenker	IEEE INFOCOM 2016		IEEE	Belgium, Israel, Finland, USA, Switrzerland	2016
14	An overview of security challenges in communication networks	Furdek, Marija and Wosinska, Lena and Goścień, Róża and Manousakis, Konstantinos and Aibin, Micha and Walkowiak, Krzysztof and Ristov, Sashko and Gushev, Marjan and Marzo, Jose	2016 8th International Workshop on Resilient Networks Design and Modeling (RNDM)	43-50	IEEE	Sweden, Poland, Cyprus, Canada, North Macedonia, Spain	2016
15	Threat awareness for critical infrastructures resilience	Gouglidis, A., Green, B., Busby, J. S., Rouncefield, M. F., Hutchison, D. & Schauer, S.,	2016 8th International Workshop on Resilient Networks Design and Modeling (RNDM), Halmstad, 2016	196-202	IEEE	United Kingdom, Austria	2016

No	Paper title	Authors	Conference	Pages	Publisher	Countries of affiliation	Year
16	Delay constrained offloading for Mobile Edge Computing in cloud-enabled vehicular networks	K. Zhang, Y. Mao, S. Leng, A. Vinel and Y. Zhang	2016 8th International Workshop on Resilient Networks Design and Modeling (RNDM), Halmstad, 2016	288-294	IEEE	Sweden, Norway	2016
17	Maximization of Protected Demand in Telecommunication Networks using Partial Disjoint Paths	Amaro de Sousa (PT), Luis Gouveia (PT), Pedro Patrício (PT)	2016 8th International Workshop on Resilient Networks Design and Modeling (RNDM), Halmstad, 2016	72-78	IEEE		2016
18	An efficient heuristic for calculating a protected path with specified nodes	Martins, Lucia and Gomes, Teresa and Tipper, David	2016 8th International Workshop on Resilient Networks Design and Modeling (RNDM)	150–157	IEEE	Portugal, USA	2016
19	Controller placement strategies for a resilient SDN control plane	Petra Vizarreta ; Carmen Mas Machuca ; Wolfgang Kellerer;	2016 8th International Workshop on Resilient Networks Design and Modeling (RNDM)		IEEE	Germany	2016
20	Energy considerations for data gathering protocol in wireless sensor networks using unmanned aerial vehicles	A.-V. Vladuta, C. Grumazescu, I. Bica, and V. Patriciu	2016 INTERNATIONAL CONFERENCE ON COMMUNICATIONS (COMM 2016)	237-240	IEEE	Romania	2016
21	Enumerating Circular Disk Failures Covering a Single Node	B. Vass, E. Bérczi-Kovács, and J. Tapolcai	2016 8th International Workshop on Resilient Networks Design and Modeling (RNDM)		IEEE	Hungary	2016
22	Managed Dependability in Interacting Systems	Heegaard, Poul Einar; Helvik, Bjarne Emil; Nencioni, Gianfranco; W{\a}ler, Jonas"	Book: Principles of Performance and Reliability Modeling and Evaluation Essays in Honor of Kishor Trivedi on his 70th Birthday	197-226	Springer	Norway	2016
23	New challenges in network optimization	D. Papadimitriou	17th International Conference on High Performance Switching and Routing (HPSR) 2016	1-7	IEEE	Belgium	2016
24	Non-Markovian Survivability Assessment Model for Infrastructure Wireless Networks	Lang Xie, Poul Einar Heegaard and Yuming Jiang	International Symposium on Wireless Communication Systems	1-5		Norway, China	2016
25	Reconciling Resource Abstraction, Allocation and Routing Optimization	D. Papadimitriou, D. Colle, and P, Demeester	IEEE Global Communication Conference (GLOBECOM)	1-7	IEEE	Belgium	2016
26	Shared Risk Link Group Enumeration of Node Excluding Disaster Failures	B. Vass, E. Bérczi-Kovács, and J. Tapolcai	Conference on Networking and Network Applications (NaNA), Hakodate (Hokkaido), Japan, 2016		IEEE	Hungary	2016
27	Simulations On Resilience And Malware Containment In Smart Grid Communication Architectures	P. Eder-Neuhauser, T. Zseby, J. Fabini	Vienna Young Scientists Symposium - VSS 2016	88-89		Austria	2016

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28	A novel relaying scheme to guarantee timeliness and reliability in wireless networks	Hoang, L.-N., E. Uhlemann, and M. Jonsson	2016 IEEE Globecom – 3rd Workshop on Ultra-Reliable and Low-Latency Comm. in Wireless Networks (URLLC)		IEEE	Sweden	2016
29	Supporting Differentiated Resilience Classes in Multilayer Networks	Alashaikh, Abdulaziz and Tipper, David and Gomes, Teresa	2016 12th International Conference on Design of Reliable Communication Networks (DRCN)	31-38	IEEE	Portugal, USA	2016
30	Switching Link Group Failure Localization via Monitoring Trails in All-Optical Networks	Alija Pašić and Péter Babarczi	2016 8th International Workshop on Resilient Networks Design and Modeling (RNDM)	92-99	IEEE	Hungary	2016
31	Virtual network function placement for resilient service chain provisioning	Hmaity, Ali and Savi, Marco and Musumeci, Francesco and Tornatore, Massimo and Pattavina, Achille	2016 8th International Workshop on Resilient Networks Design and Modeling (RNDM)	245-252	IEEE	Italy	2016
32	An Empirical Study of Software Reliability in SDN Controllers	Vizarreta, Petra; Trivedi, Kishor; Helvik, Bjarne Emil; Heegaard, Poul Einar; Kellerer, Wolfgang; Mas Carmen	13th Int. Conference on Network and Service Management CNSM 2017	1-9	IEEE	Germany, Norway, USA	2017
33	Analyzing Cascading 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	The 35th International Symposium on Computer Performance, Modeling, Measurements and Evaluation, 13-17 November, New York, USA		ACM	Netherlands, USA	2017
34	Assessing the effects of physical layer attacks on content accessibility and latency in optical CDNs	Natalino, Carlos and Yayimli, Aysegul and Wosinska, Lena and Furdek, Marija	2017 19th International Conference on Transparent Optical Networks (ICTON)	1-1	IEEE	Sweden, Turkey	2017
35	Assessing the risk of violating SLA dependability requirements in software-defined networks	Kamisiski, Andrzej; Helvik, Bjarne Emil; Gonzalez, Andres Javier; Nencioni, Gianfranco	2017 IEEE Conference on Network Function Virtualization and Software-Defined Networking (NFV-SDN)	270-275	IEEE	Norway, Poland	2017
36	Characterization of failure dynamics in SDN controllers	Vizarreta, Petra and Heegaard, Poul and Helvik, Bjarne and Kellerer, Wolfgang and Machuca, Carmen Mas	2017 9th International Workshop on Resilient Networks Design and Modeling (RNDM)	1-7	IEEE	Germany, Norway	2017
37	Content Accessibility in Optical Cloud Networks Under Targeted Link Cuts	Natalino, Carlos and Yayimli, Aysegul and Wosinska, Lena and Furdek, Marija	2017 21st International Conference on Optical Network Design and Modeling	1-6	IEEE	Sweden, Turkey	2017
38	Disciplines and measures of information resilience	Rak, J., M. Jonsson, D. Hutchison, and J. P. G. Sterbenz	19th International Conference on Transparent Optical Networks (ICTON 2017), Girona, Spain, July 2-6, 2017		IEEE	Poland, Sweden, United Kingdom	2017
39	EFAH: An energy and fatigue aware heuristic for provisioning highly available connections in optical backbone networks	Natalino, Carlos and Idzikowski, Filip and Chiaraviglio, Luca and Wosinska, Lena and Monti, Paolo	2017 9th International Workshop on Resilient Networks Design and Modeling (RNDM)	1-6	IEEE	Sweden, Italy, Poland	2017

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40	Geo-Based Content Sharing for Disaster Relief Applications	Gianluca Rizzo and Helmut Neukirchen	IEEE IMIS (International Conference on Innovative Mobile and Internet Services in Ubiquitous Computing)	894-903	Springer	Iceland, Switzerland	2017
41	Harmless: Cost-effective transitioning to sdn	Szalay, Mark and Toka, Laszlo and Retvari, Gabor and Pongracz, Gergely and Csikor, Levente and Pezaros, Dimitrios P	Proceedings of the SIGCOMM Posters and Demos	91-93		Hungary, United Kingdom	2017
42	Interdependence between power grids and communication networks: A resilience perspective	Martins, Lúcia and Girão-Silva, Rita and Jorge, Luisa and Gomes, Alvaro and Musumeci, Francesco and Rak, Jacek	DRCN 2017-Design of Reliable Communication Networks; 13th International Conference	1-9	VDE	Italy, Poland, Portugal	2017
43	Network robustness simulator: A case study on epidemic models	Jose L Marzo; Sergio G. Cosgaya; Caterina Scoglio	2017 9th International Workshop on Resilient Networks Design and Modeling (RNDM)		IEEE	Spain, USA	2017
44	Packing Strictly-Shortest Paths in a Tree for QoS-Aware Routing	J. Yallouz, J. Tapolcai, A. Korosi, K. Berczi, L. Gyimothi and A. Orda	IFIP Networking		IFIP	Hungary, Israel	2017
45	Performance Modeling of Vehicular Floating Content in Urban Settings	Gaetano Manzo, Marco Ajmone Marsan, and Gianluca Rizzo	ITC29		IEEE	Spain, Switzerland	2017
46	Post-disaster data evacuation from isolated data centers through LEO satellite networks	Lourenco, Rafael BR and Figueiredo, Gustavo B and Tornatore, Massimo and Mukherjee, Biswanath	2017 IEEE International Conference on Communications (ICC)	1-5	IEEE	Brasil, Italy, USA	2017
47	repeated game formulation of network embedded coding for multicast resilience in extreme conditions	Esposito, Christian and Castiglione, Aniello and Palmieri, Francesco and Pop, Florin and Rak, Jacek	DRCN 2017-Design of Reliable Communication Networks; 13th International Conference	1-8	VDE	Italy, Romania, Poland	2017
48	Resilient IoT eHealth solutions in case of disasters	Gusev, Marjan and Ristov, Sasko and Prodan, Radu and Dzanko, Matija and Bilic, Ivana	2017 9th International Workshop on Resilient Networks Design and Modeling (RNDM)	1-7	IEEE	Austria, Croatia, Macedonia	2017
49	Securing virtual network function placement with high availability guarantees	Casazza, Marco and Fouilhoux, Pierre and Bouet, Mathieu and Secci, Stefano	2017 IFIP Networking Conference (IFIP Networking) and Workshops	1-9	IEEE	France, Italy	2017
50	Survivable Manycast, Anycast and Replica Placement in Optical Inter-Datacenter Networks	Marija Furdek, Ajmal Muhammad, Nina Skorin-Kapov	19th International Conference on Transparent Optical Networks (Icton 2017)	1-4	IEEE	Sweden, Spain	2017
51	The effect of weather on quality of experience in optical wireless communication system	Bruzgiene, Rasa; Narbutaite, Lina; Leitgeb, Erich; Pezzei, Pirmin; Plank, Thomas	12th international conference on communications, electromagnetics and medical applications (CEMA'17)	30-34	King	Austria, Lithuania	2017
52	The Robust Node Selection Problem aiming to Minimize the Connectivity Impact of any Set of p Node Failures	de Sousa, Amaro and Mehta, Deepak and Santos, Dorabella	DRCN 2017-Design of Reliable Communication Networks; 13th International Conference	1-8	VDE	Ireland, Portugal	2017

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53	Link addition framework for optical CDNs robust to targeted link cut attacks	Natalino, Carlos and Yayimli, Aysegul and Wosinska, Lena and Furdek, Marija	2017 9th International Workshop on Resilient Networks Design and Modeling (RNDM)	1-7	IEEE	Sweden, Turkey	2017
54	Joint Progressive Recovery of Optical Network and Datacenters After Large-Scale Disasters	Sifat Ferdousi, Ferhat Dikbiyik, Massimo Tornatore, and Biswanath Mukherjee	Proceedings of Optical Fiber Communication (OFC) Conference, OSA Technical Digest (online) (Optical Society of America, 2017),	Tu3E.5	IEEE	Italy, Turkey	2017
55	Resilience and Security in Software Defined Networking	Carmen Mas Machuca, Petra Vizarreta, Raphael Durner, Jacek Rak	Proceedings of NATO IST-153 Workshop on Cyber Resilience, Munich, Germany	1-3		Germany, Poland	2017
56	A centralized approach for setting floating content parameters in VANETs	A. Di Maio, R. Soua, M. R. Palattella, T. Engel and G. Rizzo	2017 14th IEEE Annual Consumer Communications & Networking Conference (CCNC)	712-715	IEEE	Switzerland, Luxembourg	2017
57	Attack Models for Advanced Persistent Threats in Smart Grid Wide Area Monitoring	S. Paudel, P. Smith, T. Zseby	2nd Workshop on Cyber-Physical Security and Resilience in Smart Grids, Pittsburgh, USA	61-66	ACM	Austria	2017
58	BPFabric: Data plane programmability for software defined networks	Jouet, Simon and Pezaros, Dimitrios P	2017 ACM/IEEE Symposium on Architectures for Networking and Communications Systems (ANCS)	38-48	IEEE	United Kingdom	2017
59	Can MPTCP Secure Internet Communications from Man-in-the-Middle Attacks?	Nguyen, Duy and Phung, Dung-Chi and Felix, Benevid and Nogueira, Michele and Secci, Stefano	13th Int. Conference on Network and Service Management (CNSM)	44013	IEEE	Brazil, France	2017
60	Coordination Mechanisms for Floating Content in Realistic Vehicular Scenario	Gaetano Manzo, Ridha Soua, Antonio Di Maio, Thomas Engel, Maria Rita Palattella and Gianluca Rizzo	IEEE INFOCOM MobiHoc Workshop	589-594	IEEE	Luxembourg, Switzerland	2017
61	Cyber Threat Intelligence Sharing through National and Sector-Oriented Communities	Frank Fransen, Richard Kerkdijk	bookchapter in Collaborative Cyber Threat Intelligence	187-225	Auerbach Publications	Netherlands	2017
62	Detection and Mitigation of Cascading Failures in Interconnected Power Systems	E. Xypolytou, T. Zseby, J. Fabini, W. Gawlik	IEEE International Conference on Innovative Smart Grid Technologies (ISGT), Torino, Italy	1-6	IEEE	Austria	2017
63	Determination of the minimum cost pair of D-geodiverse paths	de Sousa, Amaro and Santos, Dorabella and Monteiro, Paulo	DRCN 2017-Design of Reliable Communication Networks; 13th International Conference	1--8	VDE	Portugal	2017
64	Device reliability performance awareness: Impact of RWA on EDFA failure reparation cost in optical networks	Wiatr, Pawel and Chen, Jiajia and Monti, Paolo and Wosinska, Lena and Yuan, Di	2017 9th International Workshop on Resilient Networks Design and Modeling (RNDM)	1--5	IEEE	Sweden	2017
65	Distributed, multi-level network anomaly detection for datacentre networks	Iordache, Mircea and Jouet, Simon and Marnerides, Angelos K and Pezaros, Dimitrios P	2017 IEEE International Conference on Communications (ICC)	1--6	IEEE	United Kingdom	2017

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66	End-Host Driven Troubleshooting Architecture for Software-Defined Networking	Csikor, Levente and Pezaros, Dimitrios P	GLOBECOM 2017-2017 IEEE Global Communications Conference	1-7	IEEE	United Kingdom	2017
67	Enumerating Shared Risk Link Groups of Circular Disk Failures Hitting k nodes	B. Vass, E. Bérczi-Kovács, and J. Tapolcai	International Workshop on Design Of Reliable Communication Networks (DRCN)		IEEE	Hungary	2017
68	Evaluation of RPL's Single Metric Objective Functions	Alayed, Walaa and Mackenzie, Lewis and Pezaros, Dimitrios	2017 IEEE International Conference on Internet of Things (iThings) and IEEE Green Computing and Communications (GreenCom) and IEEE Cyber, Physical and Social Computing (CPSCom) and IEEE Smart Data (SmartData)	619--624	IEEE	United Kingdom	2017
69	Experimental evaluation of SDN-controlled, joint consolidation of policies and virtual machines	Hajji, Wajdi and Tso, Fung Po and Cui, Lin and Pezaros, Dimitrios P	2017 IEEE Symposium on Computers and Communications (ISCC)	1338-1343	IEEE	United Kingdom, China	2017
70	Failure Process Characteristics of Cloud-Enabled Services	Tola, Besmir; Jiang, Yuming; Helvik, Bjarne Emil	9th International Workshop on Resilient Netwrorks Design and Modeling		IEEE	Norway	2017
71	Heterogeneous wireless access network protection for ultra-reliable communications	Grigoreva, Elena and Shrivastava, Dhruva and Machuca, Carmen Mas and Kellerer, Wolfgang and Dittrich, Juergen and Wilk, Heinz and Zimmermann, Hans-Martin	2017 IEEE Vehicular Networking Conference (VNC)	17-22	IEEE	Germany	2017
72	List of shared risk link groups representing regional failures with limited size	Tapolcai, Janos and Ronyai, Lajos and Vass, Balazs and Gyimothi, Laszlo	IEEE INFOCOM 2017-IEEE Conference on Computer Communications	1-9	IEEE	Hungary	2017
73	Minimizing the network availability upgrade cost with geodiversity guarantees	de Sousa, Amaro and Gomes, Teresa and Girão-Silva, Rita and Martins, Lúcia	2017 9th International Workshop on Resilient Networks Design and Modeling (RNDM)	1--8	IEEE	Portugal	2017
74	QOS-enabled MQTT impact on resilient communication in Internet of Things systems	Kuojaite, Paulina; Bruzgiene, Rasa; Narbutaite, Lina; Adomkus, Tomas	13th international conference on communications, electromagnetics and medical applications (CEMA'18)	57-61	King	Lithuania	2017
75	Relaying with Packet Aggregation for Half-Duplex All-to-All Broadcast in Time-Critical Wireless Networks	Hoang, L.-N., E. Uhlemann, and M. Jonsson	Proc. 2017 IEEE Globecom Workshops – 4th International Workshop on Ultra-Reliable Low-Latency Communications in Wireless Networks (URLLC), Singapore		IEEE	Sweden	2017
76	Reliable Data Collection for Wireless Sensor Networks Using Unmanned Aerial Vehicles	A.-V. Vlăduță, I. Bica, V.-V. Patriciu, and F. Pop	GREEN, PERVASIVE, AND CLOUD COMPUTING (GPC 2017)	323-337	Springer	Romania	2017

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77	Resource-aware placement of softwarised security services in cloud data centers	Ali, Abeer and Anagnostopoulos, Christos and Pezaros, Dimitrios P	2017 13th International Conference on Network and Service Management (CNSM)	1--5	IEEE	United Kingdom	2017
78	SDNFV-based DDoS detection and remediation in multi-tenant, virtualised infrastructures	Ali, Abeer and Cziva, Richard and Jouet, Simon and Pezaros, Dimitrios P	Book: Guide to Security in SDN and NFV	171-196	Springer	United Kingdom	2017
79	Column generation technique for optimization of survivable flex-grid SDM networks	Goscien, Roza and Lechowicz, Piotr	2017 9th International Workshop on Resilient Networks Design and Modeling (RNDM)	1-7	IEEE	Poland	2017
80	5G privacy: Scenarios and solutions	Liyanage, Madhusanka and Salo, Jukka and Braeken, An and Kumar, Tanesh and Seneviratne, Suranga and Ylianttila, Mika	2018 IEEE 5G World Forum (5GWF)	197-203	IEEE	Finland, Belgium, Australia	2018
81	A Tractable Stochastic Model of Correlated Link Failures Caused by Disasters,	J. Tapolcai, B. Vass, Z. Heszberger, J. Biró, D. Hay, F. A. Kuipers, and L. Rónyai	IEEE INFOCOM 2017-IEEE Conference on Computer Communications	1-9	IEEE	Hungary, Israel, Netherlands	2018
82	Design of an evaluation breadboard with SNSPD for testing various deep space optical communication applications	Hristo Ivanov, Sander Dorenbos, Erich Leitgeb, Gert Freiberger, Pasha Bekhrad	Quantum Technologies 2018	1067415	International Society for Optics and Photonics	Austria, Netherlands	2018
83	Designing a High Availability Subnetwork to Support Availability Differentiation	Alashaikh, Abdulaziz and Tipper, David and Gomes, Teresa	2018 21st Conference on Innovation in Clouds, Internet and Networks and Workshops (ICIN)	1-8	IEEE	Portugal, USA	2018
84	Evaluating rare events in mission critical dispatching systems	Hyytia, Esa and Righter, Rhonda	2018 30th International Teletraffic Congress (ITC 30)	1-9	IEEE	Iceland, USA	2018
85	Field demonstration of machine-learning-aided detection and identification of jamming attacks in optical networks	Natalino, Carlos and Schiano, Marco and Di Giglio, Andrea and Wosinska, Lena and Furdek, Marija	2018 European Conference on Optical Communication (ECOC)	1-3	IEEE	Italy, Sweden	2018
86	FRADIR: A Novel Framework for Disaster Resilience	Alija Pašić, Rita Girão-Silva, Balázs Vass, Teresa Gomes, and Péter Babarczi	2018 10th International Workshop on Resilient Networks Design and Modeling (RNDM)	1-7	IEEE	Hungary, Portugal	2018
87	HARMLESS: Cost-effective transitioning to SDN for small enterprises	Csikor, Levente and Toka, Laszlo and Szalay, Mark and Pongracz, Gergely and Pezaros, Dimitrios P and Retvari, Gabor	2018 IFIP Networking Conference (IFIP Networking) and Workshops	1-9	IEEE	Hungary, United Kingdom	2018
88	Impact of high-power jamming attacks on SDM networks	Goścień, Róża and Natalino, Carlos and Wosinska, Lena and Furdek, Marija	2018 International Conference on Optical Network Design and Modeling (ONDM)	1-6	IEEE	Sweden, Poland	2018

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89	Inconsistencies among spectral robustness metrics	X Wang, L Feng, RE Kooij, JL Marzo	14th EAI International Conference on Quality, Reliability, Security and Robustness in Heterogeneous Systems (Qshine 2018)	119-136	Springer	Netherlands; Singapore; Spain	2018
90	On the disaster resiliency within the context of 5G networks: The RECODIS experience	Esposito, Christian and Gouglidis, Antonios and Hutchison, David and Gurtov, Andrei and Helvik, Bjarne and Heegaard, Poul and Rizzo, Gianluca and Rak, Jacek	European Conference on Networks and Communications		IEEE	Italy, UK, Sweden, Norway, Switzerland, Poland	2018
91	On the security verification of a short message service protocol	Jurcut, Anca Delia and Liyanage, Madhusanka and Chen, Jinyong and Gyorodi, Cornelia and He, Jingsha	2018 IEEE wireless communications and networking conference (WCNC)	1-6	IEEE	Ireland, Finland, Romania	2018
92	On the trade-offs between user-to-replica distance and CDN robustness to link cut attacks	Natalino, Carlos and de Sousa, Amaro and Wosinska, Lena and Furdek, Marija	2018 10th International Workshop on Resilient Networks Design and Modeling (RNDM)	1-7	IEEE	Portugal, Sweden	2018
93	Optical Wireless Communications and Optical Sensing and Detection Technologies for Increasing the Reliability and Safety in Autonomous Driving Scenarios	Erich Leitgeb, Thomas Plank, Pirmin Pezzei, Hristo Ivanov, Rafael Pérez-Jiménez	ICTON 2018	1-4	IEEE	Austria, Spain	2018
94	Policy Injection: A Cloud Dataplane DoS Attack	Levente Csikor, Christian Esteve Rothenberg, Dimitrios Pezaros, Stefan Schmid, László Toka, Gábor Rétvári	SIGCOMM '18: Proceedings of the ACM SIGCOMM 2018 Conference on Posters and Demos	147-149	ACM	Austria, Brazil, Hungary, United Kingdom	2018
95	Quality-Focused Data Delivery in Wireless Sensor Network for Drinking Water Distribution System	Sandis Dejus; Anatolijs Zabašta; Rasa Bruzgiene; Lina Narbutaite; Nadežda Kuņicina	2018 IEEE 6th Workshop on Advances in Information, Electronic and Electrical Engineering (AIEEE)	1-6	IEEE	Latvia, Lithania	2018
96	Robust SDN controller placement to malicious node attacks	Santos, Dorabella and de Sousa, Amaro and Machuca, Carmen Mas	2018 21st Conference on Innovation in Clouds, Internet and Networks and Workshops (ICIN)	1-8	IEEE	Germany, Portugal	2018
97	Secure and efficient data accessibility in blockchain based healthcare systems	Ramani, Vidhya and Kumar, Tanesh and Bracken, An and Liyanage, Madhusanka and Ylianttila, Mika	2018 IEEE Global Communications Conference (GLOBECOM)	206-212	IEEE	Finland, Belgium	2018
98	SRLG-disjointness and geodiverse routing--a practical network study and operational conclusions	Nedic, Boro and Gunkel, Matthias and Gomes, Teresa and Girão-Silva, Rita	2018 10th International Workshop on Resilient Networks Design and Modeling (RNDM)	1-8	IEEE	Germany, Portugal	2018
99	The resilience of automatic wireless meters reading for distribution networks in smart city model	Kunicina, Nadezhda; Zabasta, Anatolijs; Bruzgiene, Rasa; Caiko, Jelena; Patlins, Antons	2018 IEEE 59th International Scientific Conference on Power and Electrical Engineering of Riga Technical University (RTUCON)	1-6	IEEE	Latvia, Lithuania	2018

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100	Vulnerable Regions of Networks on Sphere	B. Vass, L. Németh, A. de Sousa, M. Zachariasen, and J. Tapolcai,	2018 10th International Workshop on Resilient Networks Design and Modeling (RNDM)	1-8	IEEE	Denmark, Hungary, Portugal	2018
101	Another Price to Pay: An Availability Analysis for SDN Virtualization with Network Hypervisors	Dobrijevic, Ognjen and Natalino, Carlos and Furdek, Marija and Hodzic, Haris and Dzanko, Matija and Wosinska, Lena	2018 10th International Workshop on Resilient Networks Design and Modeling (RNDM)	1-7	IEEE	Bosnia & Herzegovina, Croatia, Sweden	2018
102	Combined Control and Data Plane Robustness of SDN Networks against Malicious Node Attacks	Santos, Dorabella and de Sousa, Amaro and Mas Machuca, Carmen	2018 14th International Conference on Network and Service Management (CNSM)	54-62	IFIP, IEEE	Germany, Portugal	2018
103	An Analysis of Cyber Security Attack Taxonomies	Derbyshire, R., Green, B., Mauthe, A. U., Busby, J. S. & Hutchison, D.	2018 IEEE European Symposium on Security and Privacy Workshops (EuroS&PW)	153-161	IEEE	United Kingdom	2018
104	Dependability Analysis of Smart Distribution Grid Architectures Considering Various Failure Modes	Zerihun, Tesfaye Amare; Helvik, Bjarne Emil	2018 IEEE PES Innovative Smart Grid Technologies Conference Europe (ISGT-Europe)		IEEE	Helvik, Bjarne Emil; Zerihun, Tesfaye Amare;	2018
105	Dynamic, latency-optimal vNF placement at the network edge	Cziva, Richard and Anagnostopoulos, Christos and Pezaros, Dimitrios P	IEEE Infocom 2018	693-701	IEEE	United Kingdom	2018
106	FTvNF: Fault tolerant virtual network functions	Y Harchol, D Hay, T Orenstein	ANCS '18: Proceedings of the 2018 Symposium on Architectures for Networking and Communications Systems	141-147	ACM	Israel	2018
107	Machine-learning-based soft-failure detection and identification in optical networks	S Shahkarami, F Musumeci, F Cugini, M Tornatore	2018 Optical Fiber Communications Conference and Exposition (OFC)	1-3	IEEE/OSA	Italy	2018
108	Next Generation Robotics Swarm Positioning and Collision Detection Under a Case of Disaster	Bruzgiene, Rasa; Narbutaite, Lina; Adomkus, Tomas	2018 International Conference on Broadband Communications for Next Generation Networks and Multimedia Applications (CoBCom)	1-8	IEEE	Lithuania	2018
109	On selecting the relevant metrics of network robustness	Marzo, Jose L and Calle, Eusebi and Cosgaya, Sergio G and Rueda, Diego and Manosa, Andreu	2018 10th International Workshop on Resilient Networks Design and Modeling (RNDM)	1-7	IEEE	Spain	2018
110	On the Optimality of Virtualized Security Function Placement in Multi-Tenant Data Centers	Ali, Abeer and Anagnostopoulos, Christos and Pezaros, Dimitrios P	2018 IEEE International Conference on Communications (ICC)	1-6	IEEE	United Kingdom	2018
111	Reliable Topology Design of Wireless Networks under Correlated Failures	Yaghoubi, Forough and Furdek, Marija and Rostami, Ahmad and Oehlen, Peter and Wosinska, Lena	2018 IEEE International Conference on Communications (ICC)	1-6	IEEE	Sweden	2018
112	Resilient Controller Location under Target Attacks	Sergio G. Cosgaya; Eusebi Calle; Jose L. Marzo	International Conference on Transparent Optical Networks (ICTON)		IEEE	SPAIN	2018
113	Safety of 5G Network Physical Infrastructures	Travanca, Rui and André, João	Book chapter	165-193	Wiley	Portugal	2018

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114	Stealthy Attacks on Smart Grid PMU State Estimation	S. Paudel, P. Smith, T. Zseby	13th International Conference on Availability, Reliability and Security (ARES 2018), Hamburg, Germany, August 27-30 2018		ACM	Austria	2018
115	The concept of adaptive routing in cognitive radio mobile ad-hoc network	Hrabcak, David and Matis, Martin and Dobos, Lubomir	2018 28th International Conference Radioelektronika (RADIOELEKTRONIKA)	1-6	IEEE	Slovakia	2018
116	The Discrepancy of the Megaflow Cache in OVS	Levente Csikor and Gábor Rétvári	Open vSwitch 2018 Fall Conference		Linux Foundation	Hungary	2018
117	The Interconnected Wireless World, a Major Challenge for EM-Coexistence	Frank Leferink	2018 IEEE International Symposium on Electromagnetic Compatibility and 2018 IEEE Asia-Pacific Symposium on Electromagnetic Compatibility (EMC/APEMC)	2018	IEEE	Netherlands	2018
118	Topology design of transparent optical networks resilient to multiple node failures	Barbosa, Fabio and de Sousa, Amaro and Agra, Agostinho	2018 10th International Workshop on Resilient Networks Design and Modeling (RNDM)	1-8	IEEE	Portugal	2018
119	Towards secure and self-diagnosable optical networks	Furdek, Marija	2018 Photonics in Switching and Computing (PSC)	1-3	IEEE	Sweden	2018
120	Analyzing information availability in ICN under link failures	E Rietberg, L D'Acunto, RE Kooij, H van den Berg	International Conference on Information Networking (ICOIN), 2018 [Best Paper Award]	199-204	IEEE	Netherlands	2018
121	Benefits of visible light communication in car-to-car communication	Pasha Bekhrad, Erich Leitgeb, Hristo Ivanov	Fiber Lasers and Glass Photonics: Materials through Applications	106833A	International Society for Optics and Photonics	Austria	2018
122	Car to X Communication with Optical Wireless as Support and Alternative to RF-Technologies for Roads and Future Transportation	Pasha Bekhrad, Hristo Ivanov, Erich Leitgeb	SOFTCOM 2018	1-6	IEEE	Austria	2018
123	Characterization of Poisson Channel for Deep Space FSO Based on SNSPD Technology by Experimental Demonstration	Hristo Ivanov, Erich Leitgeb, Gert Freiberger	CSNDSP 2018	1-5	IEEE	Austria	2018
124	Evolution of IP Fast-Reroute Strategies	Andrzej Kamisiński	2018 10th International Workshop on Resilient Networks Design and Modeling (RNDM)	1-6	IEEE	Poland	2018
125	Performance and Behavior Characterization of Amazon EC2 Spot Instances	Pham, Thanh-Phuong and Ristov, Sasko and Fahringer, Thomas	2018 IEEE 11th International Conference on Cloud Computing (CLOUD)	73-81	IEEE	Austria	2018

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126	Control plane robustness in software-defined optical networks under targeted fiber cuts	Zhu, Jing and Natalino, Carlos and Wosinska, Lena and Furdek, Marija and Zhu, Zuqing	2018 International Conference on Optical Network Design and Modeling (ONDM)	118-123	IEEE	China, Sweden	2018
127	SDG 11 Sustainable Cities and Communities. Towards Inclusive, Safe, and Resilient Settlements	Maha al Zubi, Vesela Radovic	Book. Series Concise guides to the United Nations Sustainable Developmemnt Goals		Emerald Publishing Limited	Maha al Zubi, Vesela Radovic	2018
128	A RMSA Algorithm Resilient to Multiple Node Failures on Elastic Optical Networks	Barbosa, Fabio and de Sousa, Amaro and Agra, Agostinho and Walkowiak, Krzysztof and Goścień, Róża	2019 11th International Workshop on Resilient Networks Design and Modeling (RNDM)	1-8	IEEE	Poland, Portugal	2019
129	Blockchain based proxy re-encryption scheme for secure IoT data sharing	Manzoor, Ahsan and Liyanage, Madhsanka and Braeke, An and Kanhere, Salil S and Ylianttila, Mika	2019 IEEE International Conference on Blockchain and Cryptocurrency (ICBC)	99-103	IEEE	Finland, Belgium, Ireland Australia	2019
130	Cascading Failures in Interconnected Power-to-Water Networks	E Pournaras, R Taormina, M Thapa, S Galelli, VR Palleti, RE Kooij	3rd ACM International Workshop on Critical Infrastructure Network Security (CINS 2019), Phoenix, USA, 28 June 2019		ACM	Switzerland; Singapore; Netherlands	2019
131	Challenges with 5G Networks as a Base for Critical Infrastucture	Helvik, Bjarne Emil	Mobil Agenda; fagseminar: 5G sikkerhet			Helvik, Bjarne Emil	2019
132	Communication Standards for Distributed Renewable Energy Sources Integration in Future Electricity Distribution Networks Communication standards for distributed renewable energy sources integration in future electricity distribution networks	Anish Jindal, Angelos K Marnerides, Antonios Gouglidis, Andreas Mauthe, David Hutchison	ICASSP 2019-2019 IEEE International Conference on Acoustics, Speech and Signal Processing (ICASSP)	8390-8393	IEEE	United Kingdom, Germany	2019
133	Comparative Network Robustness Evaluation of Link Attacks	Pizzuti, C., A. Socievole and P. Van Mieghem	Proceedings of the Eighth International Conference on Complex Networks and Their Applications, Complex Networks 2019, 10-12 December, Lisbon, Portugal	735-746	Springer	Italy; Netherlands	2019
134	Cyber-Physical Systems Resilience: State of the Art, Research Issues and Future Trends	Moura, Jose and Hutchison, David	arXiv preprint arXiv:1908.05077			Portugal, United Kingdom	2019
135	DeepFloat: Resource-Efficient Dynamic Management of Vehicular Floating Content	Gaetano Manzo, Sebastian Otalora, Marco Ajmone Marsan, Torsten Braun, Hung Nguyen, and Gianluca Rizzo	ITC 31	46-54	IEEE	Australia, Italy, Spain, Switzerland	2019
136	Demonstration of Machine-Learning-Assisted Security Monitoring in Optical Networks	Furdek, Marija and Natalino, Carlos and Lipp, Fabian and Hock, David and Aerts, Nieke and Schiano, Marco and Di Giglio, Andrea and Losinska, Lena	2019 45th European Conference on Optical Communications	1-7	ECOC	Germany, Italy, Sweden	2019

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137	Dependability Modeling and Analysis of 5G Based Monitoring System in Distribution Grids	Zerihun, Tesfaye Amare; Garau, Michele; Helvik, Bjarne Emil	VALUETOOLS 2019 : Proceedings of the 12'th EAI International Conference on Performance Evaluation Methodologies and Tools	163-166	Association for Computing Machinery (ACM)	Norway	2019
138	Dependability of Smart Distribution Grid Protection Using 5G	Zerihun, Tesfaye Amare; Helvik, Bjarne Emil	2019 3rd International Conference on Smart Grid and Smart Cities	51-59	IEEE	Norway	2019
139	Development of entrepreneurship skills for students creative thinking support in higher education	Kunicina, Nadezhda and Bilic, Ivana and Zabasta, Anatolijs and Caiko, Jelena and Ribickis, Leonids	2019 International Conference in Engineering Applications (ICEA)	1-6	IEEE	Croatia, Latvia	2019
140	Enabling end-to-end secure connectivity for low-power iot devices with uavs	Rajakaruna, Archana and Manzoor, Ahsan and Porambage, Pawani and Liyanage, Madhusanka and Ylianttila, Mika and Gurtov, Andrei	2019 IEEE Wireless Communications and Networking Conference Workshop (WCNCW)	1-6	IEEE	Finland, Sweden	2019
141	Experiment-based detection of service disruption attacks in optical networks using data analytics and unsupervised learning	Furdek, Marija and Natalino, Carlos and Schiano, Marco and Di Giglio, Andrea	Metro and Data Center Optical Networks and Short-Reach Links II	109460D	International Society for Optics and Photonics	Italy, Sweden	2019
142	Extreme Weather Events: Definition, Classification and Guidelines towards Vulnerability Reduction and Adaptation Management	Radovic Vesela, Isabela Inglesias	Chapter. Climate Action. Encyclopedia of the UN Sustainable Development Goals		Springer Nature Switzerland	Portugal, Serbia	2019
143	Fault-Tolerant Session Support for Service-Centric Networking.	Gasparyan, Mikael; Marandi, Sayed Ali; Schiller, Eryk Jerzy; Braun, Torsten	IFIP/IEEE International Symposium on Integrated Network Management (IM).		IEEE / IFIP	Switzerland	2019
144	Floater: Post-disaster Communications via Floating Content	Flavien Bonvin, Gaetano Manzo, Christian Esposito, Torsten Braun, and Gianluca Rizzo	International Conference on Ad-Hoc, Mobile, and Wireless Networks (ADHOCNOW)	619-626	Springer International Publishing	Italy, Spain, Switzerland	2019
145	FRADIR-II: An Improved Framework for Disaster Resilience	Alija Pašić, Rita Girão-Silva, Balázs Vass, Teresa Gomes, Ferenc Mogyorósi, Péter Babarczi, and János Tapolcai	2019 11th International Workshop on Resilient Networks Design and Modeling (RNDM)	1-7	IEEE	Hungary, Portugal	2019
146	Game Theoretic Optimal User Association in Emergency Networks	Esposito, Christian and Zhao, Zhongliang and Alcarria, Ram{\'o}n and Rizzo, Gianluca	International Conference on Ad-Hoc Networks and Wireless	18-31	Springer	Italy, Switzerland, Spain	2019
147	Heuristic Approach for the Design of a High Availability Structure	Girão-Silva, Rita and Martins, Lúcia and Gomes, Teresa and Tipper, David and Alashaikh, Abdulaziz	2019 15th International Conference on the Design of Reliable Communication Networks (DRCN)	29-36	IEEE	Portugal, USA	2019

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148	High-performance, Platform-Independent DDoS Detection for IoT Ecosystems	Santoyo-Gonzalez, Alejandro and Cervello-Pastor, Cristina and Pezaros, Dimitrios P	44th IEEE Conference on Local Computer Networks (LCN 2019)			Spain, United Kingdom	2019
149	Improving Network Availability- A Design Perspective	Girão-Silva, Rita and Martins, Lúcia and Gomes, Teresa and Alashaikh,Abdulaziz and Tipper, David	Third International Congress on Information and Communication Technology. Advances in Intelligent Systems and Computing	799-815	Springer	Portugal, USA	2019
150	Kubernetes cluster optimization using hybrid shared-state scheduling framework	Oana-Mihaela Ungureanu, Călin Vlădeanu and Robert Kooij	Proc. of 3rd International Conference on Future Networks and Distributed Systems (ICFNDS 2019), Paris, France, July 1-2, 2019 [Best Paper Runner Up Award]			Romania; Netherlands	2019
151	Logical Network Mapping With Content Connectivity Against Multiple Link Failures in Optical Metro Networks	G. Le, A. Marotta, S. Ferdousi, S. Xu, Y. Hirota, Y. Awaji, Massimo Tornatore, Bisnanath Mukherjee	2019 ANTS	1-4	IEEE	Italy, Japan, USA	2019
152	Modeling and Evaluating NFV-Enabled Network Services under Different Availability Modes	Tola, Besmir; Nencioni, Gianfranco; Helvik, Bjarne Emil; Jiang, Yuming	2019 15th International Conference on the Design of Reliable Communication Networks (DRCN), 19-21 March 2019 in Coimbra, Portugal	1-5	IEEE	Norway	2019
153	Modeling packet losses in communication networks	Bocharova, Irina and Kudryashov, Boris and Rabi, Maben and Lyamin, Nikita and Dankers, Wouter and Frick, Erik and Vinel, Alexey	2019 IEEE International Symposium on Information Theory (ISIT)	1012-1016	IEEE	Estonia, Sweden	2019
154	Network Resiliency Against Earthquakes	A. Valentini, B. Vass, J. Oostenbrink, L. Csák, F. A. Kuipers, B. Pace, D. Hay, and J. Tapolcai	Workshop on Resilient Networks Design and Modeling (RNDM)		IEEE	Hungary, Israel, Italy, the Netherlands	2019
155	Network-Wide Localization of Optical-Layer Attacks	Furdek, Marija and Chan, Vincent WS and Natalino, Carlos and Wosinska, Lena	Conf. on Optical Network Design and Modelling (ONDM), Athens, Greece	310-322	Springer	Sweden, USA	2019
156	Numerical evaluation of MPTCP schedulers in terms of throughput and reliability	Sayit, Muge and Karayer, Erdem and Phung, Chi-Dung and Secci, Stefano and Boumerdassi, Selma	2019 11th International Workshop on Resilient Networks Design and Modeling (RNDM)	1-6	IEEE	France, Italy, Turkey	2019
157	PURR: a primitive for reconfigurable fast reroute: hope for the best and program for the worst	Marco Chiesa, Roshan Sedar, Gianni Antichi, Michael Borokhovich, Andrzej Kamisiński, Georgios Nikolaidis, Stefan Schmid	Proceedings of the 15th International Conference on Emerging Networking Experiments And Technologies	1-14	Association for Computing Machinery	Austria, Catalonia/Spain, Poland, Sweden, United Kingdom, United States of America	2019

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158	Quality of Service of WSN as Determinate Factor of Sustainable Autonomous Beekeeping System	Kunicina, N., Zabasta, A., Bruzgiene, R., Narbutaite, L., Patlins, A.	Sinteza 2019: International Scientific Conference on Information Technology and Data Related Research: Book of Proceedings, Serbia, Novi Sad, 20-20 April, 2019. Belgrade: Singidunum University, 2019,	294-300	Belgrade: Singidunum University	Latvia, Lithuania	2019
159	Quantifying the Robustness of Network Controllability	Sun, P., R. E. Kooij, Z. He and P. Van Mieghem	4th International Conference on System Reliability and Safety (ICSRS), 20-22 November, Rome, Italy		IEEE	Netherlands	2019
160	Realizing an Implementation Platform for Closed Loop Cyber-Physical Systems Using Blockchain	Abdullah B. M., Qureshi H.K.,Danish S. M., Lestas M.	Vehicular Technology Conference, Kuala Lumpur		IEEE	Canada, Cyprus, Pakistan	2019
161	Resilience of Deep Space FSO Communication Scenario Involving SNSPD Receiver to Atmospheric Turbulence	Hristo Ivanov, Peter Pocta, Frank Marzano, Erich Leitgeb, Gert Freiberger	TELSIKS 2019	235-240	IEEE	Austria, Italy, Slovakia	2019
162	Slice-Aware Service Restoration with Recovery Trucks for Optical Metro-Access Networks	S Ferdousi, M Tornatore, S Xu, Y Awaji, B Mukherjee - Globecom, 2019	2019 IEEE GLOBECOM	1-6	IEEE	Italy, Japan, USA	2019
163	Solving The Backup Controller Placement Problem In SDN Under Simultaneous Targeted Attacks	Calle, Eusebi and Cosgaya, Sergio G and Martinez, David and Pióro, Michał	2019 11th International Workshop on Resilient Networks Design and Modeling (RNDM)	1-7	IEEE	SPAIN, POLAND	2019
164	Student engagement in cross-domain innovation development and the impact of it on learning outcomes and career development in Electrical Engineering	Kuņicina, N., Zabašta, A., Bruzgiene, R., Dubauskiene, N., Patļins, A., Ribickis, L.	2019 IEEE Global Engineering Education Conference (EDUCON 2019), United Arab Emirates, Dubai, 9-11 April, 2019.	693-700	IEEE	Latvia, Lithania	2019
165	Tuple space explosion: a denial-of-service attack against a software packet classifier	Levente Csikor, Dinil Mon Divakaran, Minsuk Kang, Attila Kőrösi, Balázs Sonkoly, Dávid Haja, Dimitrios Pezaros, Stefan Schmid, Gábor Rétvári	CoNEXT '19: Proceedings of the 15th International Conference on Emerging Networking Experiments And Technologies	292-304	ACM	Austria, Brazil, Hungary, Singapore, United Kingdom	2019
166	Using Datasets from Industrial Control Systems for Cyber Security Research and Education	Qin Lin, Sicco Verwer, Robert Kooij and Aditya Mathur	14th International Conference on Critical Information Infrastructures Security (CRITIS 2019), Linköping, Sweden, September 23-25, 2019	122-133	Springer	Netherlands; Singapore	2019
167	Weighted Euclidean Steiner Trees for Disaster-Aware Network Design	Garrote, Luis and Martins, Lucia and Nunes, Urbano J and Zachariasen, Martin	2019 15th International Conference on the Design of Reliable Communication Networks (DRCN)	138-145	IEEE	Denmark, Portugal	2019
168	A Novel Authentication Mechanism for Mobile Satellite Communication Systems	Jurcut, Anca Delia and Chen, Jinyong and Kalla, Anshuman and Liyanage, Madhsanka and Murphy, John	2019 IEEE Wireless Communications and Networking Conference Workshop (WCNCW)	1-7	IEEE	Ireland, India	2019

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169	A Techno-Economic Investigation of Asymmetric Load-balancing in Multi-Layer Networks	Theresa Lindner, Matthias Gunkel, Felix Wissel	Proceedings of 20th ITG Symposium	1-3	VDE	Germany	2019
170	A Quantum Algorithm for Minimising the Effective Graph Resistance upon Edge Addition	F de Ridder, N Neumann, T Veugen, RE Kooij	Quantum Technology and Optimization Problems (QTOP 2019)	63-73	Springer	Netherlands	2019
171	Ad-hoc network recovery after severe disaster	Reichman, Arie and Wayer, Shahaf	2019 IEEE International Conference on Microwaves, Antennas, Communications and Electronic Systems (COMCAS)	1-3	IEEE	Israel	2019
172	Approach for an Optical Network Design for Autonomous Vehicles	Daniel Kraus, Hristo Ivanov, Erich Leitgeb	ICTON 2019	1-6	IEEE	Austria	2019
173	Attack-aware Lightpath Provisioning in Elastic Optical Networks with Traffic Demand Variations	Manousakis, Konstantinos and Panayiotou, Tania and Kolios, Panayiotis and Tomkos, Ioannis and Ellinas, Georgios	2019 11th International Workshop on Resilient Networks Design and Modeling (RNDM)	1-7	IEEE	Cyprus	2019
174	BIDS: Bio-Inspired, Collaborative Intrusion Detection for Software Defined Networks	Zhou, Qianru and Pezaros, Dimitrios P	ICC 2019-2019 IEEE International Conference on Communications (ICC)	1-6	IEEE	United Kingdom	2019
175	Blackout Recovery: Resilient NFV-enabled ICT Infrastructure for the Smart Grid	Anna Volkova	DACH+ Conference on Energy Informatics	73-76	SpringerOpen	Germany	2019
176	Closing the Loop in Cyber-Physical Systems using Blockchain: Microgrid Frequency Control Example	Abdullah B.M, Lestas M., Qureshi H.K, Christofides N., Nouman A., Mehmood F.	Menacomm		IEEE	Cyprus, Pakistan	2019
177	An Interplay between Critical Node Detection and Epidemic Models	de Sousa, Amaro and Piccini, Juan and Robledo, Franco and Romero, Pablo	2019 11th International Workshop on Resilient Networks Design and Modeling (RNDM)	1-7	IEEE	Portugal, Uruguay	2019
178	Controller Placement and Availability Link Upgrade Problem in SDN Networks	Santos, Dorabella and Gomes, Teresa	2019 11th International Workshop on Resilient Networks Design and Modeling (RNDM)	1-8	IEEE	Portugal	2019
179	Critical Node Detection with Connectivity Based on Bounded Path Lengths	Barbosa, Fabio and Agra, Agostinho and de Sousa, Amaro	Congress of APDIO, the Portuguese Operational Research Society	15-28	Springer	Portugal	2019
180	Designing a Quantum Key Distribution Network – Methodology and Challenges	Matthias Gunkel, Felix Wissel, Andreas Poppe	Photonic Networks - 20th ITG Symposium	1-3	VDE	Germany	2019
181	Efficient Online Virtual Machines Migration for Alert-Based Disaster Resilience	Ayoub, Omran and Huamani, Obed and Musumeci, Francesco and Tornatore, Massimo	2019 15th International Conference on the Design of Reliable Communication Networks (DRCN)	146-153	IEEE	Italy	2019
182	Efficient Online Virtual Machines Migrations for Alert-Based Disaster Resilience	O. Ayoub, O. Huamani, F. Musumeci, M. Tornatore	International Conference on Design of Reliable Communication Networks (DRCN) 2019	146-153	IEEE	Italy	2019
183	Emergency management/Response.	Radovic Vesela	Chapter. Climate Action. Encyclopedia of the UN Sustainable Development Goals		Springer	Serbia	2019

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184	Energy Usage Profiling for Virtualized Single Board Computer Clusters	Sagkriotis, Stefanos and Anagnostopoulos, Christos and Pezaros, Dimitrios P	2019 IEEE ISCC Symposium on Computers and Communications		IEEE	United Kingdom	2019
185	In-network Predictive Analytics in Edge Computing	Nikolaou, Stefanos and Anagnostopoulos, Christos and Pezaros, Dimitrios	2019 Wireless Days (WD)	1-4	IEEE	United Kingdom	2019
186	Enhancing Optical Network Security with Machine Learning	Furdek, Marija and Natalino, Carlos	2019 21st International Conference on Transparent Optical Networks (ICTON)	1-1	IEEE	Sweden	2019
187	Evaluation and Design of Elastic Optical Networks Resilient to Multiple Node Failures	Barbosa, Fabio and de Sousa, Amaro and Agra, Agostinho	2019 15th International Conference on the Design of Reliable Communication Networks (DRCN)	154-161	IEEE	Portugal	2019
188	Evaluation of FSO-Technology as a Candidate for Reliable Long-Distance Communication Links for Deep Space Applications	Hristo Ivanov, Erich Leitgeb, Thomas Plank, Daniel Kraus	2019 PIERS-Spring, Rome	3441-3448	IEEE	Austria	2019
189	How to Survive Targeted Fiber Cuts: A Game Theoretic Approach for Resilient SDON Control Plane Design	Zhu, Jing and Furdek, Marija and Natalino, Carlos and Wosinska, Lena and Zhu, Zuqing	Conf. on Optical Network Design and Modelling (ONDM), Athens, Greece	168-180	Springer	China, Sweden	2019
190	IoT Approach Application for Development of Autonomous Beekeeping System	Zabasta, Anatolijs and Kunicina, Nadezda and Kondratjevs, Kaspars and Ribickis, Leonids	2019 International Conference in Engineering Applications (ICEA)	1-6	IEEE	Latvia	2019
191	Modelling of a Deep Space FSO-Link with a SNSPD Receiver Unit Under Turbulence-Induced Fading Conditions	Hristo Ivanov, Erich Leitgeb, Gert Freiberger	Cleo 2019		OSA Technical Digest	Austria	2019
192	Novel Optical Network Design for Automotive Applications using ROADMs	Daniel Kraus, Hristo Ivanov, Erich Leitgeb	ConTEL 2019	1-6	IEEE	Austria	2019
193	One-Shot Learning for Modulation Format Identification in Evolving Optical Networks	Natalino, Carlos and Udalcovs, Aleksejs and Wosinska, Lena and Ozolins, Oskars and Furdek, Marija	Novel Optical Materials and Applications	JW4A--2	Optical Society of America	Sweden	2019
194	Optimization of PMU Location and Communications in a Power Grid	Almeida, Luís and Gomes, Teresa and Antunes, Carlos Henggeler	2019 11th International Workshop on Resilient Networks Design and Modeling (RNDM)	1-7	IEEE	Portugal	2019
195	Resilient Dataflow Graph Embedding for Programmable Software Switches	Tamas Levai;Gabor Retvari	2019 11th International Workshop on Resilient Networks Design and Modeling (RNDM)	8	IEEE	Hungary	2019
196	SDG 16 Peace and Justice- Challenges, Action and the Way Forward	Vesela Radovic	Book	144	Emerald Publishing Limited	Serbia	2019

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197	Security implications of AI	Jonev, K., Kešetović, Ž.	SCIENCE, EDUCATION, TECHNOLOGY AND INNOVATION	496-508	International Research Academy of Science and	Serbia	2019
198	Split and Merge: Detecting Unknown Botnets	Blaise, Agathe and Bouet, Mathieu and Conan, Vania and Secci, Stefano	2019 IFIP/IEEE International Symposium on Integrated Network Management (IM)		IEEE	France	2019
199	The Minimum Cost D-Geodiverse Anycast Routing with Optimal Selection of Anycast Nodes	de Sousa, Amaro and Santos, Dorabella	2019 15th International Conference on the Design of Reliable Communication Networks (DRCN)	21-28	IEEE	Portugal	2019
200	The Performance of Multi-Path TCP with Overlapping Paths	L. Zongor, Z. Heszberger, A. Pašić, and J. Tapolcai,	ACM SIGCOMM 2019 Conference Posters and Demos		ACM	Hungary	2019
201	Time-Optimized Task Offloading Decision Making in Mobile Edge Computing	Alghamdi, Ibrahim and Anagnostopoulos, Christos and Pezaros, Dimitrios P	2019 Wireless Days (WD)	1-8	IEEE	United Kingdom	2019
202	Topological approach to measure network recoverability	He, Z., Sun, P. and P. Van Mieghem	11th International Workshop on Resilient Networks Design and Modeling (RNDM 2019), 14-16 October, Nicosia, Cyprus; received the 2019 James P. G. Sterbenz best paper award		IEEE	Netherlands	2019
203	Towards a Blackout-Resilient Smart Grid Architecture	Anna Volkova; Sanja Stark; Hermann de Meer; Sebastian Lehnhoff; Joerg Bremer	International ETG-Congress 2019	99-105	VDE	Germany	2019
204	Towards Improved Trust in Threat Intelligence Sharing using Blockchain and Trusted Computing	Yichang Wu, Yuansong Qiao, Yuhang Ye, Brian Lee	6th Int Conference on Internet of Things, Systems, Management & Security (IOTSMS 2019)		IEEE	Ireland	2019
205	Structural Safety Assessment of 5G Network Infrastructures	Travanca, Rui; Souza, Tiago and André, João		20	Wiley	Brazil, Portugal	2019
206	A Flexible ICT Architecture to Support Ancillary Services in Future Electricity Distribution Networks: A Secure Accounting Use-Case for DSOs	Anish Jindal, Ramona Kühn, Jakob Kronawitter, Angelos K Marnerides, Antonios Gouglidis, Andrew Scott, David Hutchison, Andreas Mauthe, Hermann de Meer	CIRED Berlin 2020 Workshop			United Kingdom, Germany	2020
207	On the Resilience of the {NFV-MANO}: An Availability Model of a Cloud-native Architecture	Besmir Tola and Yuming Jiang and Bjarne E. Helvik	Design of Reliable Communication Networks 2020 [DRCN 2020]		IEEE	Norway	2020

No	Paper title	Authors	Conference	Pages	Publisher	Countries of affiliation	Year
208	Situation Awareness via Information Hovering in Post-disaster Communications	Gaetano Manzo, Flavien Bonvin, Christian Esposito, Torsten Braun, Gianluca Rizzo	The 35th ACM/SIGAPP Symposium On Applied Computing		ACM	Switzerland, Italy	2020
209	Communication Mechanisms for Service-Centric Networking.	Gasparyan, Mikael; Schiller, Eryk Jerzy; Marandi, Sayed Ali; Braun, Torsten (2020).	17th IEEE Annual Consumer Communications & Networking Conference (CCNC) (CCNC 2020). Las Vegas, USA. 10-13 January 2020.		IEEE	Braun, Torsten and Gasparyan, Mikael and Marandi, Sayed Ali and Schiller, Eryk	2020
210	Communication-aware edge-centric knowledge dissemination in edge computing environments	Nikolaou, Stefanos and Anagnostopoulos, Christos and Pezaros, Dimitrios	Real-Time Data Analytics for Large Scale Sensor Data	139-156	Elsevier	United Kingdom	2020
211	Design and Engineering of Resilience for Networked Computer Systems	Hutchison, D., Rouncefield, M., Gouglidis, A. & Anderson, T.,	Book Chapter		OUP	United Kingdom	2020
212	Modeling Redispatch in Interconnected ICT and Power Systems for Resilience Analysis	Amit Dilip Patil, Jonas Haack, Hermann De Meer, Martin Braun	ACM e-energy 2020			Germany	2020
213	State Description of Cyber-Physical Energy Systems	Marcel Klaes, Anand Narayan, Amit Patil, Jonas Haack, Christian Rehtanz, Sebastion Lehnhoff, Hermann De Meer, Martin Braun	ACM e-energy 2020			Germany	2020
214	Survivability Analysis of Infrastructure-based Wireless Networks under Natual Disasters	Lang Xie	NTNU Doctoral Thesis			Norway	2020