2021 IFIP Networking Conference (IFIP Networking 2021)

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IFIP Networking 2021 - Final Program

Conference Session 1: Network Management (Session Chair: Ioannis Psaras)

Itamar Cohen (Politecnico di Torino, Italy); Gil Einziger (Ben-Gurion University of The Negev, Israel); Maayan Goldstein and Yaniv Sa'ar (Nokia Bell Labs, Israel); Gabriel Scalosub (Ben-Gurion University of the Negev, Israel); Erez Waisbard (Nokia Bell Labs, Israel)

Bingyang Liu (Huawei, China); Shoushou Ren (Huawei Technologies Co., Ltd., China); Chuang Wang (Huawei Corporation, China); Vincent Angilella (Huawei Technologies Co. Ltd. & SAMOVAR, Telecom SudParis, France); Paolo Medagliani (Huawei Technologies Co. Ltd., France); Sébastien Martin (Université de Lorraine, France); Jeremie Leguay (Huawei Technologies, France Research Center, France)

Yijing Zeng (University of Wisconsin-Madison, USA); Milind Buddhikot (Nokia Bell Laboratories, USA); Suman Banerjee (University of Wisconsin, USA)

Conference Session 2: Software Defined Networking (Session Chair: Lin Wang)

Zijun Hang, Yongjie Wang and Shuguang Huang (National University of Defense Technology, China)

Damu Ding (Fondazione Bruno Kessler & University of Bologna, Italy); Marco Savi (University of Milano-Bicocca, Italy); Federico Pederzolli (FBK, Italy); Domenico Siracusa (Fondazione Bruno Kessler, Italy)

Chunyang Zhang (Institute of Computing Technology, Chinese Academy of Sciences, China); Gaogang Xie (CNIC Chinese Academy of Sciences & University of Chinese Academy of Sciences, China)

Conference Session 3: Network Resource Management (Session Chair: Y.C. TAY)

Conference Session 4: Network Automation and Scheduling (Session Chair: Faraz Ahmed)

Conference Session 5: Network Applications (Session Chair: Jun Zhao)

Chaoyi Ma, Haibo Wang, Olufemi Odegbile and Shigang Chen (University of Florida, USA)

Conference Session 6: Network Modeling, Analysis and Measurement (1) (Session Chair: Matthias Wählisch)

Fotis Savva, Christos Anagnostopoulos and Dimitrios P Pezaros (University of Glasgow, United Kingdom

Lorenzo Corneo (Uppsala University, Sweden); Nitinder Mohan (Technical University Munich, Germany); Aleksandr Zavodovski (Uppsala University, Finland); Walter Wong (University of Helsinki, Finland); Christian Rohner and Per Gunningberg (Uppsala University, Sweden); Jussi Kangasharju (University of Helsinki, Finland)

Khushboo Agarwal and Veeraruna Kavitha (IIT Bombay, India)

Conference Session 7: Network Modeling, Analysis and Measurement (2) (Session Chair: Sanjib Sur)

Monika Henzinger, Ami Paz and Stefan Schmid (University of Vienna, Austria)

Florian Aschenbrenner (Technical University Munich, Germany); Tanya Shreedhar (Indraprastha Institute of Information Technology (IIIT) Delhi, India); Oliver Gasser (Max Planck Institute for Informatics, Germany); Nitinder Mohan (Technical University Munich, Germany); Jörg Ott (Technische Universität München, Germany)

Vitalii Demianiuk (Ariel University, Israel); Sergey Gorinsky (IMDEA Networks Institute, Spain); Kirill Kogan (Ariel University, Israel)

Conference Session 8: Network Modeling, Analysis and Measurement (3) (Session Chair: Klaus-Tycho Foerster)

Trinh Viet Doan and Justus Fries (Technical University of Munich, Germany); Vaibhav Bajpai (Technische Universität München, Germany)

Conference Session 9: Network Traffic Analysis (Session Chair: Karin A. Hummel)

Conference Session 10: Network Performance Analysis and Optimization (Session Chair: Thomas Schmidt)

Conference Session 11: Network Resilience and Security (Session Chair: Andreas Mauthe)

Conference Session 12: Network Security and Privacy (Session Chair: Prof. Dr. Burkhard Stiller)

Conference Session 13: Machine Learning and Networking (Session Chair: Zhicheng Yang)

Shanti Chilukuri (University College Cork, Ireland); Guangyuan Piao (Maynooth University, Ireland); Diego Lugones (NOKIA Bell Labs, Ireland); Dirk Pesch (University College Cork, Ireland)

Conference Session 14: Decentralization (Session Chair: Rute C. Sofia)

Avik Dayal (Virginia Tech, USA); Vijay K. Shah (Virginia Tech & Wireless@VT Lab, USA); Biplav Choudhury (Virginia Tech, USA); Vuk Marojevic (Mississippi State University, USA); Carl B. Dietrich (Virginia Tech & Wireless @ Virginia Tech, USA); Jeffrey Reed (Virginia Tech, USA)

Amitangshu Pal and Krishna Kant (Temple University, USA)

Poster Session 1

Rafael H Ribeiro, Bruno Rodrigues, Christian Killer and Lenz Baumann (University of Zurich, Switzerland); Muriel F. Franco (University of Zurich & Communication Systems Group CSG, Switzerland); Eder John Scheid and Burkhard Stiller (University of Zürich, Switzerland)

Muriel F. Franco (University of Zurich & Communication Systems Group CSG, Switzerland); Jan von der Assen, Luc Boillat, Christian Killer and Bruno Rodrigues (University of Zurich, Switzerland); Eder John Scheid (University of Zürich, Switzerland); Lisandro Z Granville (Federal University of Rio Grande do Sul, Brazil); Burkhard Stiller(University of Zürich, Switzerland)

Necati A Ayan (Binghamton University, USA); Nilson Damasceno (Institute of Computing, Fluminense Federal University, Brazil); Sushil Chaskar (Binghamton University, USA); Peron Sousa (Fluminense Federal University, Brazil); Arti Ramesh and Anand Seetharam (SUNY Binghamton, USA); Antonio A Rocha (Fluminense Federal University, Brazil)

Necati A Ayan and Sushil Chaskar (Binghamton University, USA); Anand Seetharam and Arti Ramesh (SUNY Binghamton, USA); Antonio A Rocha (Fluminense Federal University, Brazil)

Guy Rozenberg and Michael Segal (Ben-Gurion University of the Negev, Israel)

Hugo Garcia (LASIGE/FCUL, Portugal); Naercio Magaia (University of Lisbon, Portugal)

Richard Sailer (Universität Augsburg, Germany); Jörg Hähner (University of Augsburg, Germany)

Yongshuai Liu (University of California, Davis, USA); Jiaxin Ding (Shanghai Jiao Tong University, China); Xin Liu(University of California Davis, USA)

Robin Münk (TU München, Germany); Matthias Rost (TU Berlin, Germany); Stefan Schmid (University of Vienna, Austria); Harald Raecke (TU Munich, Germany)

Poster Session 2

Chen Griner and Chen Avin (Ben-Gurion University of the Negev, Israel) Abstracting

Vitalii Demianiuk and Kirill Kogan (Ariel University, Israel); Antonio Fernández Anta (IMDEA Networks Institute, Spain)

Zeyu Luan (Tsinghua University, China); Qing Li (Southern University of Science and Technology, China); Yong Jiang (Graduate School at Shenzhen, Tsinghua University, China)

Keyi Shi, Hongyan Li and Long Suo (Xidian University, China)

Konrad-Felix Krentz and Marius Corici (Fraunhofer FOKUS, Germany)

Miroslaw Kutylowski (Wroclaw University of Technology, Poland); Przemysław Kubiak and Patryk Kozieł (Wrocław University of Science and Technology, Poland); Yanmei Cao (Xidian University, China)

Zhenni Feng and Junchang Chen (Donghua University, China)

Muhammad Naveed (The University of New South Wales, Australia); Hui Wu (University of New South Wales, Australia)

Tuomas Halvari, Jukka K Nurminen and Tommi Mikkonen (University of Helsinki, Finland)

Demo Session

Nicolas Huin (Huawei Technologies, France); Sébastien Martin (Université de Lorraine, France); Jeremie Leguay (Huawei Technologies, France Research Center, France); Sheng-Ming Cai (Huawei Technologies Co., Ltd., China)

Rui Kang, Mengfei Zhu, Fujun He and Eiji Oki (Kyoto University, Japan)

Jari Montonen (VTT, Technical Research Center of Finland, Finland); Jukka Koskinen and Jukka Mäkelä (VTT Technical Research Centre of Finland Ltd, Finland); Sami Ruponen (VTT Technical Research Centre of Finland, Finland); Tapio Heikkilä(Technical Research Centre of Finland, Finland); Markku Hentula (VTT Technical Research Centre of Finland Ltd, Finland)

Chongyu Li, Ryoichi Shinkuma, Takehiro Sato and Eiji Oki (Kyoto University, Japan)

TENSOR - Technical Session 1: Deterministic Networking 1 (Chair: Kostas Katsalis, DoCoMo)

Christoph Gärtner (Technical University of Darmstadt, Germany); Amr Rizk (University of Duisburg-Essen, Germany); Boris Koldehofe (University of Groningen, The Netherlands); Rhaban Hark (Technische Universität Darmstadt, Germany); Rene Guillaume (Robert Bosch GmbH, Germany); Ralf Steinmetz (Technische Universität Darmstadt, Germany)

Alexej Grigorjew and Nicholas Gray (University of Wuerzburg, Germany); Tobias Hoßfeld (University of Würzburg, Germany)

Metin Yeniaydın (Yildiz Technical University & Turkish Aerospace Industries Inc., Turkey); Ömer Faruk Gemici (TÜBİTAK BİLGEM & İstanbul Teknik Üniversitesi, Turkey); M. Selim Demir (Özyeğin

University & Tübitak Bilgem, Turkey); Ibrahim Hokelek (TUBITAK BILGEM, Turkey); Sinem Coleri (Koc University, Turkey); Ufuk Tureli (Yıldız Technical University, Turkey)

TENSOR - Technical Session 2: P4 and Network Monitoring (Chair: Amr Rizk)

Hasanin Harkous (Technical University of Munich & Nokia Bell Labs, Germany); Mu He (Nokia Bell Labs, Germany); Michael Jarschel (Nokia, Germany); Rastin Pries (Nokia Bell Labs, Germany); Ehab Mansour and Wolfgang Kellerer (Technische Universität München, Germany)

GuanJie Qiao (China, China); Lv GaoFeng and Jing Tan (National University of Defense Technology, China); Lusha Mo (NUDT, China)

Wen-Hong Lin, Wai-Xi Liu, Gui-Feng Chen, Song Wu, Jin-Jiang Fu, Xing Liang, Sen Ling and Zhi-Tao Chen (Guangzhou University, China)

TENSOR - Technical Session 3: Deterministic Networking 2 (Chair: Panagiotis Papadimitriou, University of Macedonia)

Randeep Bhatia and T. V Lakshman (Bell Labs, Nokia, USA); Mustafa F. Ozkoc (New York University, USA); Shivendra Panwar (New York University & Tandon School of Engineering, USA)

Balakrishna Balakrishna (Fraunhofer FOKUS Berlin, Germany); Boris Meinardus and Leonidas Kontopoulos (Technical University of Berlin, Germany)

Anna Arestova and Kai-Steffen Hielscher (University of Erlangen-Nürnberg, Germany); Reinhard German (University of Erlangen, Germany)

DI2F - Session 1: Protocol and Architecture Extensions

Matteo Varvello (Nokia Bell Labs, USA), Iñigo Querejeta (UC3M, Spain), Antonio Nappa (UC Berkeley, USA & UC3M, Spain), Panagiotis Papadopoulos (Telefonica Research, Spain), Gonçalo Pestana (Brave Software, UK), Benjamin Livshits (Brave Software, UK)

DI2F - Session 2: Demos and Abstracts

DI2F - Session 3: Decentralised Identity and Web3.0 Services