

ANNUAL REPORT 2021

Computer Networks Group
Institute of Computer Science
Faculty of Mathematics and Computer Science
Georg-August-Universität Göttingen

COMPUTER NETWORKS GROUP
GOLDSCHMIDTSTRASSE 7, 37077 GÖTTINGEN, GERMANY
[HTTP://WWW.NET.INFORMATIK.UNI-GOETTINGEN.DE/](http://www.net.informatik.uni-goettingen.de/)

December 2021
Editor: Prof. Dr. Xiaoming Fu

ANNUAL REPORT 2021

Computer Networks Group

Introduction

Founded in April 2007, the Computer Networks Group is devoted to cutting-edge leading research and education programs in the field of network architectures, protocols and applications. This report series intends to review the most relevant and important research results and other achievements and activities performed by the Computer Networks Group. The present report summarizes those of the year of 2021.

Due to the continued coronavirus pandemic, things were still difficult in 2021 as in last year: many of our teaching and research activities were online; many research visits, project meetings and conference attendance had to be cancelled, postponed or shortened. We look forward to a brighter and more prosperous new year in 2022 with the projected wide injection of COVID-19 vaccine (and boosters), great treatments and social changes. Stay safe and healthy!

Group Members

Mr. Zhengze Li joined the NET group as a PhD student in July 2021. Dr. Tingting Yuan became a Humboldt Scholar at the NET group in November 2021. Dr. Yachao Shao and Dr Jiaquan Zhang completed their PhD theses in February and September 2021, respectively. Dr. Sripriyas Adhatarao joined Apheris AI as a technical coordinator in June 2021. Dr. Yali Yuan joined Southeast University as an associate professor in November 2021.

Ms. Yuwei Zhang (Fudan University) spent a 4-month virtual research visit at NET group, contributing to its research activities. Also, several master and bachelor student assistants worked on various projects and thesis work; they are an important part of the team.

By the end of year 2021, the research group comprises 1 professor, 1 senior researcher/postdoc fellow, 6 PhD students, as well as a couple of master and bachelor students. See Table 1 for detailed information.

Table 1: Member of Computer Networks Group (as of 31.12.2020):

Admin staff	Head	Postdocs	PhD researchers	Adjunct researchers/lecturers
Secretary: Tina Bockler System administrator: Gunnar Krull	Prof. Dr. Xiaoming Fu	Dr. Tingting Yuan	Bangbang Ren, Weijun Wang, Yunxiao Zhang, Fabian Wölk, Zhengze Li, Pablo Gutierrez-Marques (extern)	PD Dr. Mayutan Arumathurai (DB), Prof. Dr. Xu Chen (SYSU), Assoc. Prof. Dr. Yang Chen (Fudan), Prof. Dr. Noel Crespi (Telecom SudParis), Assoc. Prof. Dr. Hong Huang (HUST), Assist. Prof. Dr. Lei Jiao (Oregon), Assoc. Prof. Dr. Sameer Kulkarni (IIT), Prof. Dr. Wenzhong Li (Nanjing), Prof. Dr. Jar-Der Luo (Tsinghua), Assoc. Prof. Dr. Lingjun Pu (Nankai), Dr. Hannes Tschofenig (ARM), Assist. Prof. Dr. Shuai Xu (NUAA), Assoc. Prof. Dr. Yali Yuan (SEU)

Teaching and Supervision

During 2021 the Group has provided the following courses:

Lectures:

Computer Networks, 4 ECTS

Advanced Computer Networks, 5 ECTS

Computer Networks, 4 ECTS (exam only)

NOTE: WS – Winter Semester, SS – Summer Semester

WS2020/21, WS2021/22

SS2021

SS2021

Exercise classes:

Computer Networks

WS2020/21, WS2021/22

Lab courses:

Practicum Networking Lab, 6 ECTS

SS2021

Smart Cities (in cooperation with City Göttingen), 6 ECTS

SS2021

Data Science for Smart Cities (in cooperation with City Göttingen), 6 ECTS

WS2021/22

Seminars:

Adv. Topics in Mobile and Social Communications, 6 ECTS

WS2021/22

Adv. Topics in Computer Networking, 6 ECTS

SS2021

Internet Technologies, 4 ECTS

SS2021, WS2021/22

Research Areas and Projects

The Computer Networks group is committed to explore innovative networking technologies and utilize its full potential, knowledge and experience in the analysis, design, and evaluation of emerging and future network technologies, systems, and applications. Its current main research areas include:

- Architectures, protocols, mechanisms and applications for cloud computing and data centers, including resource and service management, energy efficiency, data delivery, software-defined networks, network function virtualization, cloud systems, applications and services. This has been conducted in collaboration with Microsoft Research, Deutsche Telekom, Nokia Bell Labs, Huawei, Cisco, Ericsson, NEC, UC Riverside, U. Oregon, Sorbonne University, BUPT, Fudan University, Tsinghua University, and Nanjing University etc.
- Future Internet architectures and protocols, including information-centric networking, software-defined networking, reliability and congestion control, pub/sub architecture, disaster management, measurement, and related security mechanisms for supporting large-scale content delivery and other applications over the Internet. This area has been in collaboration with UC Riverside, UCLA, Columbia University, University College London, University of Rome “Tor Vergata”, Swedish Institute of Computer Science, KDDI, Panasonic, Cisco, Ericsson, Huawei, NEC, Bell Labs, Osaka University, University of Tokyo, Waseda University, NICT, Fudan University, Tsinghua University, and Nanjing University, etc.
- Social networks/social computing, including socio-aware networking/computing infrastructure, mobile social networks, as well as social behavior studies and social influence, in collaboration with researchers from Göttingen (including sociologists, socio-psychologists, economist, physicists and epidemiologists), nationally (MPI-DS, MPI-SWS, L3S/University of Hannover, University of Frankfurt) and internationally (University of Oregon, University of Chicago, University of Cambridge, Bell Labs, Tsinghua University, Beijing Foreign Studies

University, Fudan University, Nanjing University, University of Science and Technology of China, Huazhong University of Science and Technology, China Telecom, Tectent, etc).

- Mobile computing, pervasive/social sensing and applications e.g., in smart cities and smart mobility/transport scenarios, leveraging machine learning (in particular compressive sensing) and data mining techniques where appropriate, in cooperation with Fortiss, Inova DE, Bernard Technologies, Continental AG (Germany), Aalto University, University of Helsinki (Finland), Uppsala University (Sweden), UCL, University of Aston, University of Essex, University of Kent, Ranplan Ltd (UK), IMT Telecom-SudParis, Cisco (France), Hong Kong University of Science and Technology, Tsinghua University, Nankai University, Nanjing University, University of Science and Technology of China (China), NEC, Toyota, National Institute of Informatics (Japan), as well as Chair of Information Management, Chair of Human Resource Management, and Institute of Geography at the University of Göttingen, University Medical Center Göttingen, City Göttingen, Wolfsburg AG, Birmingham City Council.

Some funded projects in 2021 include:

- COSAFE – “Cooperative Connected Intelligent Vehicles for Safe and Efficient Road Transport”, sponsored by EU H2020 MCSA-RISE program
- “Privacy Protection for Multi-Agent Deep Reinforcement Learning”, sponsored by Humboldt Foundation
- Gift funding on “Future Networks”, sponsored by Huawei Technologies
- “Virtual Network Embedding”, sponsored by CSC Scholarship program
- “Socioeconomic Big Data”, sponsored by CSC Scholarship program
- “Mobile Smart Sensing and Analytics”, sponsored by CSC Scholarship program

Publications, Technical Reports and Theses

Editorials

1. Xiaowen Chu, Xiaoming Fu, Baochun Li, Wei Wang, Hui Zang, Albert Zomaya, Interplay Between Machine Learning and Networking Systems (guest editorial), **IEEE Network**, November 2021.
2. Chunxiao Xing, Xiaoming Fu, Yong Zhang, Guigang Zhang, Chaolemen Borjigin (eds.), Proceedings of 18th International Conference on Web Information Systems and Applications (**WISA 2021**), Kaifeng, China, September 24-26, 2021, Lecture Notes in Computer Science 12999, Springer 2021, ISBN 978-3-030-87570-1
3. James Evans, Xiaoming Fu, Jar-Der Luo, Message from Editors-in-Chief, **Journal of Social Computing**, 2(2): i-ii, June 2021.
4. James Evans, Xiaoming Fu, Jar-Der Luo, Message from Editors-in-Chief, **Journal of Social Computing**, 2(1): i-ii, Mar 2021.

Papers in Peer-Reviewed Journals

5. Jiaquan Zhang, Hui Chen, Xiaoming Yao, and Xiaoming Fu, "CPFinder: Finding an unknown Caller's profession from anonymized mobile phone data", **Digital Communications and Networks** (early access), Elsevier, 2021, DOI: [10.1016/j.dcan.2021.08.003](https://doi.org/10.1016/j.dcan.2021.08.003)
6. * Yali Yuan, Chencheng Liang, Xu Chen, Thar Baker, Xiaoming Fu, Adaptive Fuzzy Game-Based Energy-Efficient Localization in 3D Underwater Sensor Networks, **ACM Transactions on Internet Technology**, 22(2): 1-20, May 2022, DOI: 10.1145/3406533
7. * Song Yang, Fan Li, Ramin Yahyapour, Xiaoming Fu, Delay-Sensitive and Availability-Aware Virtual Network Function Scheduling for NFV. **IEEE Transactions on Services Computing** (early access), DOI: 10.1109/TSC.2019.2927339

8. * Song Yang, Fan Li, Zhi Zhou, Xu Chen, Yu Wang, Xiaoming Fu, Online Control of Service Function Chainings Across Geo-Distributed Datacenters, **IEEE Transactions on Mobile Computing** (early access), Dec 2021, DOI: 10.1109/TMC.2021.3135535
9. * Wang, W., H. Dai, C. Dong, X. Fu, J. Zheng, X. Chen, G. Chen, and X. Fu, "Deployment of Unmanned Aerial Vehicles for Anisotropic Monitoring Tasks", **IEEE Transactions on Mobile Computing** (early access), DOI: 10.1109/TMC.2020.3012791
10. * Song Yang, Fan Li, Stojan Trajanovski, Xu Chen, Yu Wang, Xiaoming Fu, Delay-Aware Virtual Network Function Placement and Routing in Edge Clouds, **IEEE Transactions on Mobile Computing**, 20(2): 445-459, 2021
11. * Bangbang Ren, Yali Yuan, Deke Guo, Guoming Tang, Weijun Wang, Xiaoming Fu, "Optimal Deployment of SRv6 to Enable Network Interconnection Service", **IEEE/ACM Transactions on Networking** (early access), Aug. 2021, DOI: 10.1109/TNET.2021.3105959
12. * Zhenhua Han, Haisheng Tan, Shaofeng H.-C. Jiang, Wanli Cao, Xiaoming Fu, Lan Zhang, Francis C. M. Lau. SPIN: BSP Job Scheduling with Placement-Sensitive Execution. **IEEE/ACM Transactions on Networking**, 29(5): 2267-2280, Oct 2021.
13. * Xinlei He, Qingyuan Gong, Yang Chen, Yang Zhang, Xin Wang, Xiaoming Fu. DatingSec: Detecting Malicious Accounts in Dating Apps Using a Content-Based Attention Network. **IEEE Transactions on Dependable and Secure Computing**, 18(5): 2193-2208, 2021
14. * Song Yang, Fan Li, Stojan Trajanovski, Xiaoming Fu, Recent Advances of Resource Allocation in Network Function Virtualization, **IEEE Transactions on Parallel and Distributed Systems**, 32(2): 295-314, Feb 2021.
15. * Qingyuan Gong, Yang Chen, Xinlei He, Yu Xiao, Pan Hui, Xin Wang, Xiaoming Fu. Cross-site Prediction on Social Influence for Cold-start Users in Online Social Networks. **ACM Transactions on the Web**, 15(2): 6:1-6:23, 2021.
16. * Yang, S., N. He, F. Li, S. Trajanovski, X. Chen, Y. Wang, and X. Fu, "Survivable Task Allocation in Cloud Radio Access Networks with Mobile Edge Computing", **IEEE Internet of Things Journal**, 8(2): 1095-1108, 2021
17. * Shuai Xu, Dechang Pi, Jiuxin Cao, Xiaoming Fu. Hierarchical temporal-spatial preference modeling for user consumption location prediction in Geo-Social Networks. **Information Processing and Management**, Elsevier, 58(6): 102715, 2021.
18. * Wei Zhou, Hong Huang, Qiang-Sheng Hua, Dongxiao Yu, Hai Jin, Xiaoming Fu. Core decomposition and maintenance in weighted graph. **World Wide Web**, 24(2): 541-561, 2021
19. Shichang Ding, Xin Gao, Yufan Dong, Xiaoming Fu, Estimating Multiple Socioeconomic Attributes via Home location – A Case Study in China, **Journal of Social Computing**, IEEE, 2(1): 71-88, 2021.

Papers in Peer-Reviewed International Conferences and Workshops

20. * Yuan, Y., W. Wang, Y. Wang, S. Adhatarao, B. Ren, K. Zheng, and X. Fu, "VSiM: Improving QoE Fairness for Video Streaming in Mobile Environments", **IEEE INFOCOM 2022**, May 2022.
21. Wölk, F., T. Yuan, K. Kis-Katos, and X. Fu, "Measuring Consumption Changes in Rural Villages based on Satellite Image Data -- A Case Study for Thailand and Vietnam", The 17th IEEE International Conference on Mobility, Sensing and Networking (**MSN 2021**), Exeter, UK, IEEE, Dec 2021.
22. * Hong Huang, Ruize Shi, Wei Zhou, Xiao Wang, Hai Jin, Xiaoming Fu: Temporal Heterogeneous Information Network Embedding. 30th International Joint Conference on Artificial Intelligence (**IJCAI 2021**), pages 1470-1476, Aug 2021
23. Jiaquan Zhang, Xin Gao, Hui Chen, Lei Chen, Liang Wang, Jar-Der Luo, Xiaoming Fu. A Data-Driven Analysis of K-12 Students' Participation and Learning Performance on an Online Supplementary Learning Platform. The 30th IEEE International Conference on Computer Communications and Networks (**ICCCN 2021**), July 2021.
24. * Bangbang Ren, Deke Guo, Guoming Tang, Weijun Wang, Lailong Luo, Xiaoming Fu. SRUF: Low-Latency Path Routing with SRv6 Underlay Federation in Wide Area Network. The 41st IEEE International Conference on Distributed Computing Systems (**ICDCS 2021**), pages 910-920, July 2021

25. * Nan He, Song Yang, Fan Li, Stojan Trajanovski, Fernando A. Kuipers, Xiaoming Fu. A-DDPG: Attention Mechanism-based Deep Reinforcement Learning for NFV. The 29th IEEE/ACM International Symposium on Quality of Service (**IWQoS 2021**), pages 1-10, June 2021.
26. Jiaying Kou, Jiahua Du, Xiaoming Fu, Geordie Zhang, Hua Wang and Yanchun Zhang, “The Effect of Regional Economic Clusters on Housing Price”, The 32nd Australasian Database Conference (**ADC 2021**), Feb. 2021.

(Extended) Abstracts, Posters and Demos

27. Hui Chen, Zhengze Li, Minxuan Huang, Li Yuan, Yuwen Su, Tengfei Li, Xiaoming Fu, Data-driven Analysis on YouTube International Chinese Learning Resources, 6th Conference on Big Data and Social Computing (BDSC 2021), Dec 2021 (poster/abstract)
28. Weijun Wang, Tingting Yuan, Minghao Han, Han Zhang, Yu Ma, Meng Li, Sripriya S. Adhatarao and Xiaoming Fu, A Real-time Social Distance Measurement and Record System for COVID-19, poster session, 18th ACM International Conference on Embedded Wireless Systems and Networks (EWSN 2021), pages 180-191, Feb 2021

PhD Dissertations

29. Jiaquan Zhang, User identification and community exploration via mining big personal data in online platforms, PhD Dissertation, Faculty of Mathematics and Computer Science, University of Göttingen, Göttingen, Sept 2021
30. Yachao Shao, Imbalance Learning and Its Application to Medical Datasets, PhD Dissertation, Faculty of Mathematics and Computer Science, University of Göttingen, Göttingen, Feb 2021

Master Theses

31. Cong Li, Mining evolutionary pattern of academic collaboration network in computer science conferences, master thesis, Institute of Computer Science, University of Göttingen, Göttingen, Sept 2021
32. Muhammad Ali Hamza, Probabilistic Time Series Forecasting using ML Models for the Intraday Energy Market, master thesis, Institute of Computer Science, University of Göttingen, Göttingen, July 2021
33. Yuhan Wang, The implementation of a QoE fairness video streaming system in mobile environments, master thesis, Institute of Computer Science, University of Göttingen, Göttingen, Jan 2021

Bachelor Theses

34. Jiahui Tian, Handling Class Imbalance Problem: a Comparative Study of Data Representation Method on Medical Datasets, bachelor thesis, Institute of Computer Science, University of Göttingen, Göttingen, Dec 2021
35. Mengru Ji, Data Classification in Medical/Healthcare: Classification Methods Comparison under Class Imbalance, bachelor thesis, Institute of Computer Science, University of Göttingen, Göttingen, Mar 2021

Scientific Contacts

Incoming short/mid-term researcher visits

Incoming visitors	Institution (from)	Detailed information	Date
Ms. Yuwei Zhang	Fudan University, China	E-Visiting NET group for 4 months	July - Nov 2021

Outgoing research visits

Out-going visitors	Institution visited	Detailed information	Date
X. Fu	Tsinghua University, China	Visiting Profs. Kaisheng Huang, Jar-Der Luo, Taoxiong Liu, Tianguang Meng, Jingming Liu, Yong Zhang, and	July-Dec 2021

		Yaoxue Zhang, for collaboration on connected and autonomous vehicles, big data and advanced networks	
X. Fu	Peking University, Beijing University of Posts and Telecommunications, Communication University of China, Nanjing University, Fudan University, Shanghai University of Finance and Economics, Anhui University, China	Visiting Profs. Zhenjiang Hu, Daqing Zhang, Chenren Xu (PKU), Lin Zhang, Konglin Zhu (BUPT), Yuan Zhang, Jinyao Yan (CUC), Yang Chen, Xin Wang (Fudan), Wenzhong Li, Sanglu Lu, Xueqin Min, Qing Gu, Chen Tian, Liyong Zheng (Nanjing U.), Hailiang Huang and Xiao Han (SUFU) for collaborations. Co-organizing Tsinghua Workshop of Social Computing and 3rd International Conference on Social Computing	Aug-Dec 2021
W. Wang	Tsinghua U., Nanjing U.	Visiting Profs. Kaisheng Huang (Tsinghua), Guihai Chen, Haipeng Dai (Nanjing)	Dec 2021-Apr 2022

Conferences, events and meeting participations and presentations

Participant	Conference/event	Detailed information	Date
X. Fu	3 rd International Conference on Social Computing (ICSC 2021), Beijing & virtual	Giving a keynote speech	Dec 2021
X. Fu	18th International Conference on Web Information Systems and Applications (WISA 2021), Kaifeng, China & virtual	TPC Co-Chair and giving a keynote speech	Dec 2020
F. Wölk	IEEE MSN 2021, virtual	Presenting a paper	Dec 2021
X. Fu	IEEE ICNP 2021, virtual	TPC Co-Chair of NIPAA 2021 workshop, steering committee member of ICAV 2021 Workshop	Nov 2021
X. Fu	IEEE LCN 2021, virtual	Giving a keynote speech	Oct 2021
X. Fu	6 th Forum for Future Data (FFD 2021)	Giving an invited speech	Sept 2021
X. Fu	BigCom 2021, Deqing, China & virtual	Giving a keynote speech	Aug 2021
X. Fu	IEEE ICCCN 2021, virtual	Presenting an invited paper	July 2021
X. Fu	5th ACM SIGCOMM Asia-Pacific Workshop on Networking (APNet 2021) , Virtual	General Chair	June 2021
X. Fu, F. Wölk, T. Yuan, W. Wang	Meeting City Göttingen leaders and public transport company (GöVB), Göttingen	Discussing collaborations on smart cities	Apr-July 2021
X. Fu	Project meetings for a DFG CRC proposal on Data Heterogeneity, virtual	Discussing collaborations on data science	Jan-May 2021

News Press Releases

Source	Detailed information	Date
ACM Media Center	ACM Recognizes 2021 Distinguished Members for Pivotal Educational, Engineering and Scientific Contributions – Longstanding Members Cited for Trailblazing Achievements across Computing Field	Dec 2021
KuVS Newsletter	Prof. Xiaoming Fu elected IEEE Fellow	Dec 2021
Uni Göttingen Press News	Prof. Dr. Xiaoming Fu zum IEEE Fellow und ACM Distinguished Member ernannt	Dec 2021
IEEE Fellow Program	Newly elevated Fellow Class 2022	Nov 2021
Uni Göttingen IFI News	Dr. Tingting Yuan mit Humboldt Forschungsstipendium ausgezeichnet	July 2021
Uni Göttingen IFI News	Computer Networks Group partners with City Göttingen on smart cities	Mar 2021

Awards

- Tingting Yuan, Humboldt Scholar, Nov 2021-Oct 2022
- Xiaoming Fu, IEEE Fellow (Class 2022), Nov 2021
- Xiaoming Fu, ACM Distinguished Member, Dec 2021

Professional Services (X. Fu unless noted)

University Services

- International Officer - Computer Science, [Faculty of Mathematics & Computer Science](#), University of Göttingen
- Substitution Member of Faculty Board, Faculty of Mathematics & Computer Science, University of Göttingen
- Board member, [Institute of Computer Science](#), University of Göttingen
- Director, [Sino-German Institute of Social Computing](#), University of Göttingen
- Member, [Center for Computational Sciences](#), University of Göttingen
- Member, [Centre for Statistics](#), University of Göttingen
- Member, [Campus Institute Data Science \(CIDAS\)](#), University of Göttingen
- Steering Board Member of International Master/PhD program “[Internet Technology and Information Systems \(ITIS\)](#)”, University of Göttingen (now phasing out)
- Speaker of [Doctoral program “PhD in Computer Science” \(PCS\)](#), University of Göttingen
- Speaker of Admission Committee of Master program “[Applied Computer Science](#)”, University of Göttingen
- Coordinator of [Planet-Lab](#) membership for University of Göttingen

Elected, Appointed or Adjunct Positions

- Vice Director, Center for Social Network Research, Tsinghua University, Beijing, China
- Board Member, [Tsinghua-NRI China Research Center](#), Beijing, China
- Guest Professor, Nanjing University, China
- Guest Professor, Northeastern University, China
- Guest Professor, Shanghai University of Finance and Economics, China
- Guest Professor, University of Oregon, Eugene, OR, USA
- Grant Evaluator: DFG, Fulbright Programs, NSFC, RGC, etc.
- Member of Expert Group, The H2020 [European IoT HUB - Growing a sustainable and comprehensive ecosystem for Next Generation Internet of Things \(EU-IoT\)](#) project
- Board Member, [GDPCH \(Gesellschaft für Deutsche Professoren Chinesischer Herkunft e.V.\)](#)

Conference organization

- General Chair, 5th IEEE International Conference on Smart City Innovations (SCI 2021), Oct 2021
- General Chair, [5th ACM SIGCOMM Asia-Pacific Workshop on Networking \(APNet 2021\)](#), June 2021
- Steering Committee Chair, ACM/IEEE SIGMOBILE International Workshop on Mobility in the Evolving Internet Architecture (MobiArch) @MobiCom 2021
- Steering Committee, IEEE Workshop on Intelligent Connected and Autonomous Vehicles (ICAV)@ICNP 2021
- Steering Committee, IEEE INFOCOM 2019-2022 International Workshop on Intelligent Cloud Computing & Networking (ICCN)

Technical Program Committees

- TPC Co-Chair, [IEEE Workshop on New Internetworking Protocols Architectures, and Algorithms \(NIPAA 2021\) at ICNP 2021](#)
- TPC Co-Chair, [ITC-33 PhD Student Workshop](#)
- TPC Member, IEEE MeditCom 2021, HPSR 2021, BDSC 2021, [WISE 2021](#), [WISA 2021](#)

Journal Editorship

- Founding Co-Editor-in-Chief, [Journal of Social Computing](#) (IEEE and Tsinghua University Press)
- Technical Editor, IEEE Communications Magazine
- Technical Editor, IEEE Network
- Associate Editor, IEEE Transactions on Network and Service Management
- Associate Editor, IEEE Transactions on Network Science and Engineering
- Founding Associate Editor, IEEE Networking Letters
- Founding Associate Editor, Springer-Nature Computer Science
- Associate Editor, Chinese Journal of Electronics
- Area Editor, Elsevier Computer Communications Journal
- Guest Editor, IEEE Transactions on Network and Service Management Special Issue of Selected Papers of IFIP Networking 2020
- Guest Editor, [IEEE Network Special Issue on Interplay between Machine Learning and Networking Systems, 2021](#)
- Guest Editor, IEEE Transactions on Network Science and Engineering [Special Issue on The Nexus Between Edge Computing and AI for 6G Networks \(2022\)](#)

Previous (Bi)Annual Reports of NET Group

- [2020](#), [2019](#), [2018](#), [2016-2017](#), [2015](#), [2014](#), [2013](#), [2012](#), [2011](#), [2010](#), [2009](#), [2007-2008](#)

Enjoy reading and look forward to seeing you in 2022!