Dr. Eirini Eleni Tsiropoulou

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Revised: January 2024

Personal Data

- Born in Athens, Greece (02/02/1986), US lawful permanent resident

- Languages: Greek, English, German

Research Interests

Game Theory; Reinforcement Learning; Distributed decision making; Optimization of dynamic systems involving stochasticity, uncertainty, and risks; Resource orchestration in resource-constrained environments; Software defined systems; Artificial intelligent cyber-physical systems; Control of interdependent wireless systems.

Academic History

- **Associate Professor (with Tenure)** Department of Electrical and Computer Engineering, University of New Mexico, Albuquerque, USA
  July 2023 - present

- **Assistant Professor** Department of Electrical and Computer Engineering, University of New Mexico, Albuquerque, USA
  July 2017 - June 2023

- **Postdoctoral Associate** Institute for Systems Research, Department of Electrical and Computer Engineering, University of Maryland, USA (PostDoctoral Advisor: Dr. John Baras)
  June 2016 - June 2017

- **Postdoctoral Associate** Erik Jonsson School of Engineering and Computer Science, University of Texas at Dallas, USA (PostDoctoral Advisor: Dr. Mark Spong)
  January 2016 - June 2016

- **Postdoctoral Research Fellow**, NETwork Management and Optimal DEsign Laboratory, School of Electrical and Computer Engineering, National Technical University of Athens, Greece
  August 2014 - December 2015

- **Research Assistant**, NETwork Management and Optimal DEsign Laboratory, School of Electrical and Computer Engineering, National Technical University of Athens, Greece
  Oct 2008 - April 2014

Education

- **Ph.D, National Technical University of Athens (NTUA)**
  School of Electrical and Computer Engineering(ECE), Athens, Greece, July 2014

  Thesis title: "Optimal Resource Allocation in Multi-Service Next Generation Wireless Networks"

- **MBA, Project Management, Business Administration (top 1% of the year)**
  School of Electrical and Computer Engineering, National Technical University of Athens, Greece, 2010

  Thesis title: "Design and Analysis of Emissions from the Electricity and Combined Heat and Power Sectors in an International Perspective through the Mathematical Model Balmorel"

- **Diploma in Electrical and Computer Engineering (top 1% of the year)**
  School of Electrical and Computer Engineering, National Technical University of Athens, Greece, 2008
  (5 year degree)

  Thesis title: "Game Theoretic Distributed Uplink Power Control for CDMA Networks with Real-Time Services"

Awards & Honors

Awards & Honors after joining UNM

1. **Research and Creative Works Leader Award, UNM, 2023** This is an award given each year to one or more faculty members who have been recently promoted in any rank within the whole University of New Mexico in recognition of the extraordinary research accomplishments.

2. **Steering Committee Member of IEEE International Conference on High Performance Switching and Routing (HPSR), 2023-2025**

3. **Distinguished Member of the INFOCOM 2023 Technical Program Committee**

4. **Excellent Reviewer Award by IEEE Transactions on Network Science and Engineering**, IEEE Communications Society, **2022**

5. **Exemplary Reviewer of the IEEE Communications Letters, 2021, 2022**

6. **Dean's Excellence Award in ECE, UNM, 2021**

7. **IEEE Senior Member, 2021**

8. **IEEE Albuquerque Section's 2021 Outstanding Engineering Educator award**

9. **Early Career Award** from the IEEE Communications Society Internet Technical Committee for outstanding contribution in the area of Internet research and technology development, **2020**.

10. **Best Paper Award** in the IEEE/ACM Conference on Blockchain Research & Applications for Innovative Networks and Services (BRAINS) 2020 for the paper: Y. Cai, G. Fragkos, E.E. Tsiropoulou, and A. Veneris, "A Truth-Inducing Sybil Resistant Decentralized Blockchain Oracle," IEEE BRAINS 2020, pp. 128-135, **2020**.

11. **Best Paper Award** by the IEEE Communications Systems Integration and Modeling Technical Committee for the IEEE INFOCOM 2019 paper: P. Vamvakas, E.E. Tsiropoulou, and S. Papavassiliou, "Dynamic Spectrum Management in 5G Wireless Networks: A Real-Life Modeling Approach," IEEE INFOCOM 2019, pp. 2134-2142, 2019. 2020.

12. **Outstanding Reviewer Award** for Sensors Journal, 2019.

13. **NSF CRII Award: NeTS:** Real-life modeling for EFficient RESource management in Heterogeneous multi-user systems - REFRESH, July 2019 **(PI)** .

14. **Program Committee Chair** for **ACM 14th Workshop on Challenged Networks (CHANTS) 2019 - Workshop of ACM MobiCom 2019.**

15. **Best Paper Award** in the 12th IFIP Wireless and Mobile Networking Conference (WMNC), IEEE, for the paper: P. Promponas, P. A. Apostolopoulos, **E. E. Tsiropoulou**, and S. Papavassiliou, "Redesigning Resource Management in Wireless Networks based on Games in Satisfaction Form," in 12th IFIP Wireless and Mobile Networking Conference (WMNC), **Sept. 2019**.

16. **Keynote** for the **1st International Workshop on Data Distribution in Industrial and Pervasive Internet 2019** - Workshop of IEEE WoWMoM 2019.

17. **2018-2019 Junior Faculty Teaching Excellence Award, School of Engineering**, University of New Mexico.

18. **Exemplary Editor Award for IEEE Communications Letters** received by IEEE Communications Society, 2018.

19. **NSF Travel Grant** to attend 2018 NSF Smart and Connected Communities (S&CC) Aspiring PI Workshop, Kansas City, MO.

20. **N^2 Women Chair organizing the N^2 Women workshop at the 20th IEEE International Symposium on a World of Wireless, Mobile and Multimedia Networks** (WoWMoM) 2019, Washington DC, USA.

Awards & Honors before joining UNM

1. **N^2 Women: Rising Stars in Networking and Communications Award, 2017.**

2. **Susan Frazier Postdoctoral Researcher Travel Award** by Institute for Systems Research, Department of Electrical & Computer Engineering, University of Maryland, College Park, **May 2017**.

3. **Best Paper Award** in the 7th International Conference on Ad Hoc Networks (LNCS) Sprigner (**ADHOCNETS 2015**) for the paper: E.E. Tsiropoulou, I. Ziras and S. Papavassiliou, "Service Differentiation and Resource Allocation in SC-FDMA Wireless Networks through User-Centric Distributed Non-Cooperative Multilateral Bargainings," **September 2015**.

4. **Best Paper Award** in the IEEE Wireless Communications and Networking Conference (**WCNC 2012**) for the paper: E.E. Tsiropoulou, P. Vamvakas, and S. Papavassiliou, "Energy Efficient Uplink Joint Resource Allocation Non-cooperative Game with Pricing," **April 2012**.

5. **Student Conference Travel Grant**, (IWCMC 2009), Organization: National Technical University of Athens, **June 2009**.

6. **Annual Award from the Greek State Scholarships Foundation**, Awarded to the top student of the dept. of Electrical and Computer Engineering (ECE), National Technical University of Athens, Greece, **2007-2008**.

7. **Awards of Excellence in High School**, 12 in total, from the Ministry of Education, **1998-2003**.

Project Funding

Project Funding at UNM

1. **Department of Energy, Goaltender: Cloud-Based Defense and Response Tools for the DER Ecosystem**, Nov. 2023 - Oct. 2026, **co-PI: Eirini Eleni Tsiropoulou**, PI: Elisha Yung Ryn Choe, $\$4,975,000$, Personal share: $\$375,000$.

2. **Department of Energy, Assessment and Coordination of EVSE Cybersecurity Standards**, Nov. 2023 - Oct. 2026, **co-PI: Eirini Eleni Tsiropoulou**, PI: Craig Rodine, $\$2,550,000$, Personal share: $\$350,000$.

3. **National Science Foundation, Collaborative Research: SOTERIA: Satisfaction and Risk-aware Dynamic Resource Orchestration in Public Safety Systems**, Aug 2023 - July 2026, **PI: Eirini Eleni Tsiropoulou, $300,002**.

4. **Department of Energy, HELIOCOMM: A Resilient Wireless Heliostats**, April 2023 - April 2026, **PI: Eirini Eleni Tsiropoulou, $ 450,000**.

5. **Bank of Canada, Secure Network Economics supporting the Central Bank Digital Currency**, Nov 2023 - Oct 2024, **PI: Eirini Eleni Tsiropoulou, $100,000**.

6. **Sandia National Laboratories:** Research and Development of Secure Layer 2 AFV* Infrastructure Communications (SL2AIC), Aug 2023 - Sept. 2024, **PI: Eirini Eleni Tsiropoulou**, $\$120,000$.

7. **National Science Foundation, Collaborative Research: CISE-MSI: RCBP-RF: CNS: RESCUE: Intelligent Public Safety based on Integrated Communications Systems**, August 2022 - August 2024, **co-PI: Eirini Eleni Tsiropoulou**, PI: Kevin Wedeward, $\$399,656$, Personal share: $\$183,618$.

8. **University of New Mexico, Faculty Research Scholarship**, Spring 2023, **PI: Eirini Eleni Tsiropoulou**, $\$5,300$.

9. **Sandia National Laboratories:** Assessment of Public Key Infrastructures for Electric Vehicle Plug and Charge Systems, February 2022 - September 2024, **PI: Eirini Eleni Tsiropoulou**, $\$256,792,270$.

10. **Sandia National Laboratories:** Cyber-resilience microgrid technologies enabling public transportation systems during natural and man-made disasters, October 2021 - September 2022, **PI: Eirini Eleni Tsiropoulou**, $\$85,000$.

11. **IC-Safety:** Development of secure e-cash protocols, October 2021 - September 2024, **PI: Eirini Eleni Tsiropoulou**, $\$29,900$.

12. **Sandia National Laboratories:** Research on the Development of the Heliostat Focusing and Canting Enhancement, June 2021 - December 2021, **PI: Eirini Eleni Tsiropoulou**, $\$37,090$.

13. **National Science Foundation, QLCI-CI: NSF Quantum Leap Challenge Institute for Enhanced Sensing and Distribution Using Correlated Quantum States**, Sub-award: January 2021 - August 2025, **PI: Eirini Eleni Tsiropoulou**, co-PI: Jim Plusquellic, $\$435,000$, Personal share: $\$315,000$.

14. **National Science Foundation, Computer and Information Science and Engineering (CISE), Research Initiation Initiative (CRII): NeTS:** Real-life modeling for EFficient RESource management in Heterogeneous multi-user systems - REFRESH, July 2019 - June 2021, **PI: Eirini Eleni Tsiropoulou**, $\$174,987$.

15. **National Science Foundation - VPRED EPSCOR:** NM EPSCoR Infrastructure Seed Award, May 2020- August 2023, **PI: Eirini Eleni Tsiropoulou**, $\$50,000$.

16. **Sandia National Laboratories:** Cybersecurity for Smart Grid Networks, August 2020- December 2022, **PI: Eirini Eleni Tsiropoulou**, $\$178,825$.

17. **Sandia National Laboratories:** Development of the heliostat focusing and canting enhancement technique, March 2019- May 2021, **PI: Eirini Eleni Tsiropoulou**, $\$142,532$.

18. **Sandia National Laboratories:** Autonomous Sensor Tasking and Scheduling Across Multiple Platforms, January 2020- November 2020, **co-PI: Eirini Eleni Tsiropoulou** (PI: Meeko Oishi), Total Amount: $\$40,000$, Personal share: $\$20,000$.

19. **Gerondelis Foundation**: Graduate student expenses support, August 2020 - August 2021, **PI: Eirini Eleni Tsiropoulou**, $\$5,000$.

20. **University of New Mexico Women in STEM Faculty Development Fund**: "Redefining resource Alloca-TION in Advanced wireLess systEms (RATIONALE)". June 2018 - June 2019, **PI: Eirini Eleni Tsiropoulou**, $10,000.

21. **RAC Grant Awards**: "HEterogeneous wireLEss Network Utility Maximixation (HELENiUM)". March 2018-May 2019, **PI: Eirini Eleni Tsiropoulou**, $10,000.

22. **Gerondelis Foundation**: Graduate student expenses support, August 19, 2019 - January 20, 2020, **PI: Eirini Eleni Tsiropoulou**, $5,000.

23. **NSF Travel Grant** to attend 2018 NSF Smart and Connected Communities (S&CC) Aspiring PI Workshop, Kansas City, MO, $1,000.

Personal Research Funding: $3,205,046

Total Research Funding: $10,441,084

Project Funding before joining UNM

1. Title: "Personalized Documentary Creation based on Automatically Annotated Content" Funding organiza-tion: EU. 2015-2017 **(Co-Investigator)**.

2. Title: "Multimedia Content Annotations for Rapid Exploitation in Multi-Screen Environments". Funding organization: EU. 2015-2016 **(Co-Investigator)**.

3. Title: "Foundations of Advanced Networking by means of Network Utility Maximization (FAN-of-NUM) ". This research is co-financed by the European Union (European Social Fund) and Hellenic national funds through the Operational Program 'Education and Lifelong Learning' (2012-2015) **(Co-Investigator)**.

4. Title: " 3DTV Content Search (3DTVS)". Funding organization: EU, Seventh Framework Programme (FP7) 2011-2015 **(Workpackage Leader)**.

5. Title: "Design and evaluation of autonomic mechanisms for supporting user Quality of Experience (QoE)" Funding organization: VELTI S.A. Duration: 11/2009-05/2011 **(Workpackage Leader)**.

6. Title: "Exposing the features in IP version six protocols that can be exploited for the purposes of design-ing/building autonomic networks and services (EFIPSANS)". Funding organization: Information Society Technologies, EU, Seventh Framework Programme (FP7). Duration: 01/2008-03/2011 **(Workpackage Leader)**.

Teaching Experience

1. **ECE 495/595 Reinforcement Learning** (Graduate Course - University of New Mexico - **Fall 2023 (116 students)**)

2. **ECE 341 Communication Systems** (Undergraduate Course - University of New Mexico - **Fall 2018 (42 students), Fall 2019 (37 students), Fall 2020 (31 students), Fall 2021 (38 students), Fall 2022 (37 students)**).

   ECE 341 Communication Systems became a standard requirement for the Computer Engineering under-graduate program in the Department of Electrical and Computer Engineering, UNM after the first year that I taught this class and based on my proposal to the Undergraduate Committee.

3. **ECE 440 / CS 485 Introduction to Computer Networks** (Undergraduate Course - University of New Mexico - **Spring 2018 (49 students), Spring 2019 (16 students), Spring 2020 (40 students), Spring 2021 (64 students), Spring 2022 (91 students), Spring 2023 (113 students)**)

4. **ECE 524 Network Economics** (ECE 524 - Graduate Course - University of New Mexico - **Fall 2017 (5 students), Spring 2019 (20 students), Spring 2020 (26 students), Spring 2021 (13 students), Spring 2022 (43 students), Spring 2023 (49 students)**))

5. Stochastic Control (ENEE 762 - Graduate Course, co-instructor - University of Maryland - Fall 2016)

6. Mobile Personal Communications (Graduate course, co-instructor - National Technical University of Athens - Fall 2014, 2015)

7. Self - organizing Ad hoc Networks (Graduate course, co-instructor - National Technical University of Athens - Spring 2014, 2015)

8. Stochastic Systems and Communications (Undergraduate course, Teaching Assistant - National Technical University of Athens - Fall 2014, 2015)

9. Queuing Theory and Applications (Undergraduate course, Teaching Assistant - National Technical University of Athens - Spring 2014, 2015)

Peer-reviewed Publications
Refereed Journal Papers (66 papers) [1]

1. M. Diamanti, G. Kapsalis, **E.E. Tsiropoulou**, S. Papavassiliou, "Energy-Efficient Rate-Splitting Multiple Access: A Deep Reinforcement Learning-based Framework," IEEE Open Journal of the Communications Society, 2023 (to appear)

2. Maria Diamanti, Christos Pelekis, **Eirini Eleni Tsiropoulou**, and Symeon Papavassiliou. Delay minimization for rate-splitting multiple access-based multi-server mec offloading. *IEEE/ACM Transactions on Networking*, pages 1–13, 2023

3. Nicholas Kemp*, Md Sadman Siraj*, and **Eirini Eleni Tsiropoulou**. Coalitional demand response management in community energy management systems. *Energies*, 16(17), 2023

4. Md Sadman Siraj*, Aisha B. Rahman*, Maria Diamanti, **Eirini Eleni Tsiropoulou**, and Symeon Papavassiliou. Alternative positioning, navigation, and timing enabled by games in satisfaction form and reconfigurable intelligent surfaces. *IEEE Systems Journal*, pages 1–12, 2023

5. Jim Plusquellic, **Eirini Eleni Tsiropoulou**, and Cyrus Minwalla. Privacy-preserving authentication protocols for iot devices using the sirf puf. *IEEE Transactions on Emerging Topics in Computing*, pages 1–16, 2023

6. Fisayo Sangoleye*, Jenilee Jao*, Kimberly Faris*, **Eirini Eleni Tsiropoulou**, and Symeon Papavassiliou. Reinforcement learning-based demand response management in smart grid systems with prosumers. *IEEE Systems Journal*, 17(2):1797–1807, 2023

7. Nafis Irtija*, Jim Plusquellic, **Eirini Eleni Tsiropoulou**, Joshua Goldberg, Daniel Lobser, and Daniel Stick. Design and analysis of digital communication within an soc-based control system for trapped-ion quantum computing. *IEEE Transactions on Quantum Engineering*, 4:1–24, 2023

8. Nathan Patrizi*, Sara Kathryn LaTouf*, **Eirini Eleni Tsiropoulou**, and Symeon Papavassiliou. Museum and visitor interaction & feedback orchestration enabled by labor economics. *IEEE Transactions on Computational Social Systems*, pages 1–12, 2022

9. Georgios Fragkos*, Jay Johnson, and **Eirini Eleni Tsiropoulou**. Centralized and decentralized distributed energy resource access control implementation considerations. *Energies*, 15(17), 2022

10. Giorgos Mitsis, **Eirini Eleni Tsiropoulou**, and Symeon Papavassiliou. Price and risk awareness for data offloading decision-making in edge computing systems. *IEEE Systems Journal*, pages 1–12, 2022

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[1]PROTON Lab student co-authors are denoted with an asterisk (*).

11. Md S. Hossain*, N. Irtija*, M. Diamanti, F. Sangoleye*, **E. E. Tsiropoulou**, S. Papavassiliou, "Reconfigurable Intelligent Surfaces-enabled Edge Computing: A Location-aware Task Offloading Framework," ITU Journal on Future and Evolving Technologies, 2022. (to appear)

12. Georgios Fragkos*, Jay Johnson, and **Eirini Eleni Tsiropoulou**. Dynamic role-based access control policy for smart grid applications: An offline deep reinforcement learning approach. *IEEE Transactions on Human-Machine Systems*, 52(4):761–773, 2022

13. Nathan Patrizi*, Sara Kathryn LaTouf*, **Eirini Eleni Tsiropoulou**, and Symeon Papavassiliou. Prosumer-centric self-sustained smart grid systems. *IEEE Systems Journal*, pages 1–12, 2022

14. Georgios Fragkos*, Cyrus Minwalla, Jim Plusquellic, and **Eirini Eleni Tsiropoulou**. Local trust in internet of things based on contract theory. *Sensors*, 22(6):2393, 2022

15. Maria Diamanti, Panagiotis Charatsaris, **Eirini Eleni Tsiropoulou**, and Symeon Papavassiliou. Incentive mechanism and resource allocation for edge-fog networks driven by multi-dimensional contract and game theories. *IEEE Open Journal of the Communications Society*, 3:435–452, 2022

16. Maria Diamanti, Panagiotis Charatsaris, **Eirini Eleni Tsiropoulou**, and Symeon Papavassiliou. The prospect of reconfigurable intelligent surfaces in integrated access and backhaul networks. *IEEE Transactions on Green Communications and Networking*, 6(2):859–872, 2022

17. Christos Pelekis, Panagiotis Promponas, Juan Alvarado, **Eirini Eleni Tsiropoulou**, and Symeon Papavassiliou. A fragile multi-cpr game. *Mathematical Methods of Operations Research*, 94(3):461–492, 2021

18. Nafis Irtija*, Iraklis Anagnostopoulos, Georgios Zervakis, **Eirini Eleni Tsiropoulou**, Hussam Amrouch, and Jörg Henkel. Energy efficient edge computing enabled by satisfaction games and approximate computing. *IEEE Transactions on Green Communications and Networking*, 6(1):281–294, 2022

19. Panagiotis Promponas, Christos Pelekis, **Eirini Eleni Tsiropoulou**, and Symeon Papavassiliou. Games in normal and satisfaction form for efficient transmission power allocation under dual 5g wireless multiple access paradigm. *IEEE/ACM Transactions on Networking*, 29(6):2574–2587, 2021

20. Panagiotis Promponas and Symeon **Tsiropoulou**, **Eirini Eleni** and Papavassiliou. Rethinking power control in wireless networks: The perspective of satisfaction equilibrium. *IEEE Transactions on Control of Network Systems*, 8(4):1680–1691, 2021

21. Yuxi Cai, Nafis Irtija*, **Eirini Eleni Tsiropoulou**, and Andreas Veneris. Truthful decentralized blockchain oracles. *International Journal of Network Management*, page e2179, 2021

22. Pavlos Athanasios Apostolopoulos*, Georgios Fragkos*, **Eirini Eleni Tsiropoulou**, and Symeon Papavassiliou. Data offloading in uav-assisted multi-access edge computing systems under resource uncertainty. *IEEE Transactions on Mobile Computing*, pages 1–1, 2021

23. D. Heeger*, M. Garigan, **E.E. Tsiropoulou**, J. Plusquellic, "Secure LoRa Firmware Update with Adaptive Data Rate Techniques," Sensors. 2021; 21(7):2384.

24. Fisayo Sangoleye*, Nafis Irtija*, and **Eirini Eleni Tsiropoulou**. Smart energy harvesting for internet of things networks. *Sensors*, 21(8):2755, 2021

25. Konstantinos Papadakis-Vlachopapadopoulos, Ioannis Dimolitsas, Dimitrios Dechouniotis, **Eirini Eleni Tsiropoulou**, Ioanna Roussaki, and Symeon Papavassiliou. On blockchain-based cross-service communication and resource orchestration on edge clouds. *Informatics*, 8(1), 2021

26. Pavlos Athanasios Apostolopoulos*, Eirini Eleni Tsiropoulou, and Symeon Papavassiliou. Demand response management in smart grid networks: A two-stage game-theoretic learning-based approach. *Mobile Networks and Applications*, 26(2):548–561, 2021

27. Symeon Papavassiliou, **Eirini Eleni Tsiropoulou**, Panagiotis Promponas, and Panagiotis Vamvakas. A paradigm shift toward satisfaction, realism and efficiency in wireless networks resource sharing. *IEEE Network*, 35(1):348–355, 2021

28. Georgios Fragkos*, Cyrus Minwalla, **Eirini Eleni Tsiropoulou**, and Jim Plusquellic. Enhancing privacy in puf-cash through multiple trusted third parties and reinforcement learning. *ACM Journal on Emerging Technologies in Computing Systems (JETC)*, 18(1):1–26, 2021

29. P. A. Apostolopoulos*, **E. E. Tsiropoulou**, and S. Papavassiliou. Risk-aware data offloading in multi-server multi-access edge computing environment. *IEEE/ACM Transactions on Networking*, 28(3):1405–1418, 2020

30. Georgios Fragkos*, Cyrus Minwalla, Jim Plusquellic, and **Eirini Eleni Tsiropoulou**. Artificially intelligent electronic money. *IEEE Consumer Electronics Magazine*, 10(4):81–89, 2021

31. M. Diamanti, G. Fragkos*, **E. E. Tsiropoulou**, and S. Papavassiliou. Unified user association and contract-theoretic resource orchestration in noma heterogeneous wireless networks. *IEEE Open Journal of the Communications Society*, 1:1485–1502, 2020

32. N. Irtija*, F. Sangoleye*, and **E. E. Tsiropoulou**. Contract-theoretic demand response management in smart grid systems. *IEEE Access*, 8:184976–184987, 2020

33. P. A. Apostolopoulos* and **E. E. Tsiropoulou** and S. Papavassiliou. Cognitive data offloading in mobile edge computing for internet of things. *IEEE Access*, 8:55736–55749, 2020

34. A. Thanou, **E. E. Tsiropoulou**, and S. Papavassiliou. A sociotechnical approach to the museum congestion management problem. *IEEE Transactions on Computational Social Systems*, 7(2):563–568, 2020

35. G. Fragkos*, S. Lebien*, and **E. E. Tsiropoulou**. Artificial intelligent multi-access edge computing servers management. *IEEE Access*, 8:171292–171304, 2020

36. Giorgos Mitsis, **Eirini Eleni Tsiropoulou**, and Symeon Papavassiliou. Data offloading in uav-assisted multi-access edge computing systems: A resource-based pricing and user risk-awareness approach. *Sensors*, 20(8):2434, 2020

37. Athina Thanou, **Eirini Eleni Tsiropoulou**, and Symeon Papavassiliou. Quality of experience under a prospect theoretic perspective: A cultural heritage space use case. *IEEE Transactions on Computational Social Systems*, 6(1):135–148, 2019

38. Panagiotis Vamvakas, **Eirini Eleni Tsiropoulou**, and Symeon Papavassiliou. On controlling spectrum fragility via resource pricing in 5g wireless networks. *IEEE Networking Letters*, 1(3):111–115, 2019

39. Panagiotis Vamvakas, **Tsiropoulou, Eirini Eleni**, and Symeon Papavassiliou. Exploiting prospect theory and risk-awareness to protect uav-assisted network operation. *EURASIP Journal on Wireless Communications and Networking*, 2019(1):286, 2019

40. Panagiotis Vamvakas, **Eirini Eleni Tsiropoulou**, and Symeon Papavassiliou. Risk-aware resource management in public safety networks. *Sensors*, 19(18):3853, 2019

41. Michail Fasoulakis, **Eirini Eleni Tsiropoulou**, and Symeon Papavassiliou. Satisfy instead of maximize: Improving operation efficiency in wireless communication networks. *Computer Networks*, 159:135–146, 2019

42. Dimitrios Sikeridis*, **Eirini Eleni Tsiropoulou**, Michael Devetsikiotis, and Symeon Papavassiliou. Context-aware wireless-protocol selection in heterogeneous public safety networks. *IEEE Transactions on Vehicular Technology*, 68(2):2009–2013, 2019

43. Georgios Fragkos*, Pavlos Athanasios Apostolopoulos*, and **Eirini Eleni Tsiropoulou**. Escape: Evacuation strategy through clustering and autonomous operation in public safety systems. *Future Internet*, 11(1):20, 2019

44. Giorgos Mitsis, Pavlos Athanasios Apostolopoulos*, **Eirini Eleni Tsiropoulou**, and Symeon Papavassiliou. Intelligent dynamic data offloading in a competitive mobile edge computing market. *Future Internet*, 11(5):118, 2019

45. Dimitrios Sikeridis*, **Eirini Eleni Tsiropoulou**, Michael Devetsikiotis, and Symeon Papavassiliou. Energy-efficient orchestration in wireless powered internet of things infrastructures. *IEEE Transactions on Green Communications and Networking*, 3(2):317–328, 2019

46. Dimitrios Sikeridis*, **Eirini Eleni Tsiropoulou**, Michael Devetsikiotis, and Symeon Papavassiliou. Wireless powered public safety iot: A uav-assisted adaptive-learning approach towards energy efficiency. *Journal of Network and Computer Applications*, 123:69–79, 2018

47. Panagiotis Vamvakas, **Eirini Eleni Tsiropoulou**, and Symeon Papavassiliou. A user-centric economic-driven paradigm for rate allocation in non-orthogonal multiple access wireless systems. *EURASIP Journal on Wireless Communications and Networking*, 2018(1):129, 2018

48. **E. E. Tsiropoulou**, K. Koukas, S. Papavassiliou, "A Socio-physical and Mobility-Aware Coalition Formation Mechanism in Public Safety Networks," in EAI Endorsed Transactions on Future Internet, vol. 18, no. 13, 2018. DOI: 10.4108/eai.12-1-2018.154176

49. **Eirini Eleni Tsiropoulou**, George Kousis, Athina Thanou, Ioanna Lykourentzou, and Symeon Papavassiliou. Quality of experience in cyber-physical social systems based on reinforcement learning and game theory. *Future Internet*, 10(11):108, 2018

50. **E. E. Tsiropoulou**, G. Mitsis, S. Papavassiliou, "Interest-aware Energy Collection & Resource Management in Machine to Machine Communications," in Elsevier, Ad Hoc Networks, vol. 68, pp. 48-57, 2018.

51. Panagiotis Vamvakas, **Eirini Eleni Tsiropoulou**, and Symeon Papavassiliou. Dynamic provider selection & power resource management in competitive wireless communication markets. *Mobile Networks and Applications*, 23(1):86–99, 2018

52. Eleni Stai, Stella Kafetzoglou, **Eirini Eleni Tsiropoulou**, and Symeon Papavassiliou. A holistic approach for personalization, relevance feedback & recommendation in enriched multimedia content. *Multimedia Tools Appl.*, 77(1):283–326, January 2018

53. G. Katsinis, **E. E. Tsiropoulou**, S. Papavassiliou, "Multicell Interference Management in Device to Device Underlay Cellular Networks," Future Internet, MDPI, vol. 9, no. 3, pp. 1- 20, 2017.

54. **Eirini Eleni Tsiropoulou**, Athina Thanou, and Symeon Papavassiliou. Quality of experience-based museum touring: A human in the loop approach. *Social Network Analysis and Mining*, 7(1):33, 2017

55. **E.E. Tsiropoulou**, J. Baras, S. Papavassiliou, S. Sinha, "RFID-based Smart Parking Management System," Cyber-Physical Systems, Taylor & Francis, pp. 1-20, 2017.

56. **E. E. Tsiropoulou**, P. Vamvakas, S. Papavassiliou, "Joint Customized Price and Power Control for Energy-Efficient Multi-Service Wireless Networks via S-Modular Theory," in IEEE Transactions on Green Communications and Networking, vol. 1, no. 1, pp. 17-28, 2017

57. **E. E. Tsiropoulou**, P. Vamvakas, S. Papavassiliou, "Supermodular Game-based Distributed Joint Uplink Power & Rate Allocation in Two-Tier SC-FDMA Femtocell Networks," in IEEE Transactions on Mobile Computing, vol. 16, no. 9, pp. 2656-2667, 2017

58. G. Katsinis, **E. E. Tsiropoulou**, S. Papavassiliou, " Joint Resource Block and Power Allocation for Interference Management in Device to Device Underlay Cellular Networks: A Game Theoretic Approach," in Mobile Networks and Applications, Springer, pp. 1-13, 2016

59. **E. E. Tsiropoulou**, A. Kapoukakis, S. Papavassiliou, "Uplink Resource Allocation in SC-FDMA Wireless Networks: A Survey and Taxonomy," Computer Networks, Elsevier, vol. 96, pp. 1-28, 2016

60. **E. E. Tsiropoulou**, I. Ziras, S. Papavassiliou, "A Non-Cooperative Approach to the Joint Subcarrier and Power Allocation Problem in Multi-Service SCFDMA Networks," EAI Endorsed Transactions on Mobile Communications and Applications, 2015 DOI: 10.4108/eai.20-6-2016.151515 *(invited paper)*.

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62. **E.E. Tsiropoulou**, E. Stai, S. Kafetzoglou, K. Rapantzikos, S. Papavassiliou, M. Zwicklbauer, P. van Leeuwen, V. Karampali, "Multimedia Content Annotations for Rapid Exploitation in Multi-Screen Environments: The MECANEX project vision," IEEE STCSN E-LETTERS, 2015

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Refereed Conference Papers (80 papers)

1. N. Kemp*, Md. S. Siraj*, I. M. Baca*, and **E. E. Tsiropoulou**, "SMARTFORM: Self-Managed Coalition Formation for Energy Trading in Smart Grid Systems", IEEE ICC, 2024. (to appear)

2. Md. S. Siraj*, J. R. Atencio*, and **E. E. Tsiropoulou**, "Dead-on-Target: An Accurate Alternative Positioning, Navigation, and Timing Solution", IEEE ICC, 2024. (to appear)

3. A. B Rahman*, Y.S. Chen*, **E. E. Tsiropoulou**, and S. Papavassiliou, "SynergyWave: Bandwidth Splitting and Power Control in Integrated Access and Backhaul Networks", IEEE ICC, 2024. (to appear)

4. A. Santamaria Penafiel*, Md. S. Siraj*, **E. E. Tsiropoulou**, and S. Papavassiliou, "GENESIS: Green Energy Efficiency Optimization in Integrated Sensing and Communication Networks", IEEE ICC, 2024. (to appear)

5. M. Diamanti, G. Kapsalis, **E.E. Tsiropoulou**, S. Papavassiliou, "Power and Rate Allocation for Energy-Efficient Rate-Splitting Multiple Access via Deep Q-Learning," IEEE GLOBECOM Workshops, 2023 (to appear)

6. Md. S. Siraj*, **E. E. Tsiropoulou**, S. Papavassiliou, and J. Plusquellic, "SAFE: Secure Symbiotic Positioning, Navigation, and Timing", IEEE GLOBECOM, 2023. (to appear)

7. A. B Rahman*, P. Charatsaris, **E. E. Tsiropoulou**, and S. Papavassiliou, "Information-Centric Networking Cache Memory Allocation: A Network Economics Approach", IEEE GLOBECOM, 2023. (to appear)

8. N. Kemp*, Md. S. Siraj*, **E. E. Tsiropoulou**, and S. Papavassiliou, Community-based Load Balancing and Prosumers Incentivization in Smart Grid Systems, IEEE GLOBECOM, 2023. (to appear)

9. A. Adesokan*, Md. S. Siraj*, A. Santamaria Penafiel*, **E. E. Tsiropoulou**, and S. Papavassiliou, "GAIA: A Dynamic Crowdmapping Framework based on Hedonic Coalition Formation Games", IEEE GLOBECOM, 2023. (to appear)

10. Md. S. Siraj*, A. B Rahman*, **E. E. Tsiropoulou**, S. Papavassiliou, and J. Plusquellic, "Symbiotic Positioning, Navigation, and Timing", IEEE DCOSS-IoT 2023. (to appear)

11. A. B Rahman*, P. Charatsaris, Md. S. Siraj*, and **E. E. Tsiropoulou**, "Symbiotic Content Caching in Next-Generation Information-Centric Networking", IEEE DCOSS-IoT 2023. (to appear)

12. Md. S. Siraj*, A. B Rahman*, P. Charatsaris, **E. E. Tsiropoulou**, and S. Papavassiliou, "Positioning, Navigation, and Timing on the Air", IEEE DCOSS-IoT 2023. (to appear)

13. A. B. Rahman*, J. Patrizi*, P. Charatsaris, **E. E. Tsiropoulou**, and S. Papavassiliou, "Bioinspired Dynamic Spectrum Management in 3D Networks", IEEE DCOSS-IoT 2023. (to appear)

14. A. B. Rahman*, Md. S. Siraj*, **E.E. Tsiropoulou**, and S. Papavassiliou, "Mutualistic Compute Continuum: A Network Economics Analysis", IEEE ICC Workshop 2023. (to appear)

15. A. Adesokan*, Md. S. Siraj*, A. B Rahman*, **E.E. Tsiropoulou**, and S. Papavassiliou, "How to become an Influencer in Social Networks," IEEE ICC 2023. (to appear)

16. Panagiotis Charatsaris, Maria Diamanti, **Eirini Eleni Tsiropoulou**, and Symeon Papavassiliou. Efficient power control for integrated sensing and communication networks with dual connectivity. In *ICC 2023 - IEEE International Conference on Communications*, pages 5910–5915, 2023

17. Md Sadman Siraj*, Aisha B Rahman*, Maria Diamanti, **Eirini Eleni Tsiropoulou**, Symeon Papavassiliou, and Jim Plusquellic. Orchestration of reconfigurable intelligent surfaces for positioning, navigation, and timing. In *MILCOM 2022 - 2022 IEEE Military Communications Conference (MILCOM)*, pages 148–153, 2022

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20. Md Sadman Siraj*, Md Sahabul Hossain*, Ryan Brown*, **Eirini Eleni Tsiropoulou**, and Symeon Papavassiliou. Incentives to learn: A location-based federated learning model. In *2022 Global Information Infrastructure and Networking Symposium (GIIS)*, pages 40–45, 2022

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23. Md Sahabul Hossain*, Fisayo Sangoleye*, Oshan Poudyal*, and **Eirini Eleni Tsiropoulou**. Network economics-enabled edge computing in uav-assisted public safety systems. In *2022 18th International Conference on Distributed Computing in Sensor Systems (DCOSS)*, pages 379–386, 2022

24. Maria Diamanti, **Eirini Eleni Tsiropoulou**, and Symeon Papavassiliou. An incentivization mechanism for green computing continuum of delay-tolerant tasks. In *ICC 2022 - IEEE International Conference on Communications*, pages 3538–3543, 2022

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41. G. Fragkos*, C. Minwalla, J. Plusquellic, and **E. E. Tsiropoulou**. Reinforcement learning toward decision-making for multiple trusted-third-parties in puf-cash. In *2020 IEEE 6th World Forum on Internet of Things (WF-IoT)*, pages 1–6, 2020

42. P. Promponas, P. A. Apostolopoulos*, and **E. Eleni Tsiropoulou** and S. Papavassiliou. Redesigning resource management in wireless networks based on games in satisfaction form. In *2019 12th IFIP Wireless and Mobile Networking Conference (WMNC)*, pages 24–31, 2019 **(Best Paper Award)**

43. Panagiotis Vamvakas, **Eirini Eleni Tsiropoulou**, and Symeon Papavassiliou. Dynamic spectrum management in 5g wireless networks: A real-life modeling approach. In *IEEE INFOCOM 2019 - IEEE Conference on Computer Communications*, pages 2134–2142, 2019 *(acceptance rate: 19.26%)* **(Best Paper Award)**

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46. P. Vamvakas, **E. E. Tsiropoulou**, and S. Papavassiliou. A market-based modular service composition approach for flexibility and adaptability in future wireless networks. In *IEEE INFOCOM 2019 - IEEE Conference on Computer Communications Workshops (INFOCOM WKSHPS)*, pages 252–257, 2019

47. P. Vamvakas, **E. E. Tsiropoulou**, and S. Papavassiliou. On the prospect of uav-assisted communications paradigm in public safety networks. In *IEEE INFOCOM 2019 - IEEE Conference on Computer Communications Workshops (INFOCOM WKSHPS)*, pages 762–767, 2019

48. Panagiotis Vamvakas, **Eirini Eleni Tsiropoulou**, and Symeon Papavassiliou. Risk-aware resource control with flexible 5g access technology interfaces. In *2019 IEEE 20th International Symposium on" A World of Wireless, Mobile and Multimedia Networks"(WoWMoM)*, pages 1–9. IEEE, 2019

49. Nathan Patrizi*, Pavlos Athanasios Apostolopoulos*, Kelly Rael*, and **Eirini Eleni Tsiropoulou**. Socio-physical human orchestration in smart cities. In *2019 IEEE International Conference on Smart Computing (SMARTCOMP)*, pages 115–120. IEEE, 2019

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52. Panagiotis Vamvakas, **Eirini Eleni Tsiropoulou**, and Symeon Papavassiliou. Personalized pricing for efficient user-centric multi-resource control in 5g wireless networks. In *2018 IEEE 19th International Symposium on" A World of Wireless, Mobile and Multimedia Networks"(WoWMoM)*, pages 1–6. IEEE, 2018

53. Dimitrios Sikeridis*, **Eirini Eleni Tsiropoulou**, Michael Devetsikiotis, and Symeon Papavassiliou. Socio-spatial resource management in wireless powered public safety networks. In *MILCOM 2018-2018 IEEE Military Communications Conference (MILCOM)*, pages 810–815. IEEE, 2018

54. Pavlos Athanasios Apostolopoulos*, **Eirini Eleni Tsiropoulou**, and Symeon Papavassiliou. Game-theoretic learning-based qos satisfaction in autonomous mobile edge computing. In *2018 Global Information Infrastructure and Networking Symposium (GIIS)*, pages 1–5. IEEE, 2018

55. Symeon Papavassiliou, Athina Thanou, and **Eirini Eleni Tsiropoulou**. Cultural location touring framework: A roadmap based on qoe modeling and visitor real-life behavioral choices. *Proc. CIRA EuroMed*, pages 76–83, 2018

56. D. Sikeridis, **E.E. Tsiropoulou**, M. Devetsikiotis, and S. Papavassiliou, "Self-Adaptive Energy Efficient Operation in UAV-assisted Public Safety Networks," in IEEE 19th International Workshop on Signal Processing Advances in Wireless Communications (SPAWC), pp.1-5, June, 2018

57. M. Fasoulakis, **E.E. Tsiropoulou**, S. Papavassiliou, "A New Theoretical Evaluation Framework for Satisfaction Equilibria in Wireless Networks," in Second International Balkan Conference on Communications and Networking 2018, pp.1-6, June, 2018

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59. G. Katsinis, **E.E. Tsiropoulou**, and S. Papavassiliou, "On the Performance Evaluation of Distributed Resource Block and Power Allocation in D2D-enabled Multi-Cell Networks," in Proceedings of ACM International Symposium on Performance Evaluation of Wireless Ad Hoc, Sensor, and Ubiquitous Networks, pp. 77-84, November, 2017

60. P. Vamvakas, **E.E. Tsiropoulou**, M. Vomvas, S. Papavassiliou, "Adaptive Power Management in Wireless Powered Communication Networks: A User-Centric Approach," IEEE 38th Sarnoff Symposium, pp.1-6, Sept. 2017

61. **E.E. Tsiropoulou**, A. Thanou, S.T. Paruchuri, S. Papavassiliou, "Self-organizing Museum Visitor Communities: A Participatory Action Research based Approach," 12th International Workshop on Semantic and Social Media Adaptation and Personalization (SMAP), pp. 101-105, July, 2017

62. P. Vamvakas, **E.E. Tsiropoulou**, S. Papavassiliou, J. Baras, "Optimization and Resource Management in NOMA Wireless Networks Supporting Real and Non-real Time Service Bundling," 22nd IEEE Symposium on Computers and Communications (ISCC), pp. 697-703, July, 2017

63. **E.E. Tsiropoulou**, S.T. Paruchuri, J. Baras, "Interest, Energy and Physical-Aware Coalition Formation and Resource Allocation in Smart IoT Applications," 51st Annual Conference on Information Sciences and Systems (CISS), pp. 1-6, March, 2017

64. **E.E. Tsiropoulou**, J. Baras, S. Papavassiliou, G. Qu, " On the Mitigation of Interference Imposed by Intruders in Passive RFID Networks," Conference on Decision and Game Theory for Security (GameSec), pp. 62-80, November, 2016

65. **E.E. Tsiropoulou**, A. Thanou, S. Papavassiliou, " Modelling Museum Visitors Quality of Experience," 11th International Workshop on Semantic and Social Media Adaptation and Personalization (SMAP), pp. 77-82, October, 2016

66. **E.E. Tsiropoulou**, I. Gialagkolidis, P. Vamvakas, and S. Papavassiliou, " Resource Allocation in Visible Light Communication Networks: NOMA vs OFDMA Transmission Techniques," in International Conference on Ad Hoc Networks (LNCS) Sprigner, pp. 32-46, July, 2016

67. **E.E. Tsiropoulou**, V. Karampali, P. van Leeuwen, K. Rapantzikos, S. Kafetzoglou, E. Stai, "Multimedia Content Annotations for Rapid Exploitation in Multi-screen Environments - MECANEX," IBC Conference, September, 2015

68. **E.E. Tsiropoulou**, I. Ziras and S. Papavassiliou, "Service Differentiation and Resource Allocation in SC-FDMA Wireless Networks through User-Centric Distributed Non-Cooperative Multilateral Bargaining," in 7th International Conference on Ad Hoc Networks (LNCS) Sprigner, pp. 42-54, September, 2015 **(Best Paper Award)**

69. V. Pouli, S. Kafetzoglou, **E.E. Tsiropoulou**, A. Dimitriou, S. Papavassiliou, "Personalized Multimedia Content Retrieval through Relevance Feedback techniques for Enhanced User Experience," in IEEE 13th International Conference on Telecommunications (CONTEL), pp. 1-8, July, 2015

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71. G. Katsinis, **E.E. Tsiropoulou** and S. Papavassiliou, "A Game Theoretic Approach to the Power Control in D2D Communications Underlay Cellular Networks," IEEE International Workshop on Computer-Aided Modeling Analysis and Design of Communication Links and Networks (CAMAD), pp. 208-212, Athens, Greece, 2014

72. **E.E. Tsiropoulou**, G. Katsinis, A. Filios, and S. Papavassiliou, "On the Problem of Optimal Cell Selection & Uplink Power Control in Open Access Multi-Service Two-Tier Femtocell Networks," in Ad-hoc, Mobile and Wireless Networks (LNCS) Sprigner, pp. 1-14, June, 2014

73. **E.E. Tsiropoulou**, G. Katsinis, P. Vamvakas, and S. Papavassiliou, "Efficient Uplink Power Control in Multi-Service Two-Tier Femtocell Networks via a Game Theoretic Approach," IEEE International Workshop on Computer-Aided Modeling Analysis and Design of Communication Links and Networks (CAMAD), pp. 104-108, Berlin, 2013

74. **E. E. Tsiropoulou**, A. Kapoukakis and S. Papavassiliou, "Energy-efficient Subcarrier Allocation in SC-FDMA Wireless Networks based on Multilateral Model of Bargaining," IFIP Networking 2013, pp. 1-9, Brooklyn, 2013

75. **E.E. Tsiropoulou**, P. Vamvakas, and S. Papavassiliou, "Energy Efficient Uplink Joint Resource Allocation Non-cooperative Game with Pricing," in Proc. of IEEE Wireless Communications and Networking Conference (WCNC 2012), pp. 2352-2356, April, 2012 **(Best Paper Award)**

76. **E.E. Tsiropoulou**, G. Katsinis, and S. Papavassiliou, "Utility-based Power Control via Convex Pricing for the Uplink in CDMA Wireless Networks," European Wireless 2010, pp. 200-206, April, 2010

77. **E. E. Tsiropoulou**, T. Kastrinogiannis, and S. Papavassiliou, "Realization of QoS Provisioning in Autonomic CDMA Networks under Common Utility-Based Framework," in Proc. of IEEE WoWMoM workshop on Autonomic and Opportunistic Communications (AOC), pp. 1-7, June, 2009

78. **E.E. Tsiropoulou**, T. Kastrinogiannis, and S. Papavassiliou, "A Utility-based Power Allocation Non-cooperative Game for the Uplink in Multi-Service CDMA Wireless Networks," Proc. of IEEE International Wireless Communications and Mobile Computing Conference, pp. 365-370, Leipzig, Germany, June, 2009

79. T. Kastrinogiannis, **E. E. Tsiropoulou**, and S. Papavassiliou, "Utility-Based Uplink Power Control in CDMA Wireless Networks with Real-Time Services," in Ad-hoc, Mobile and Wireless Networks (LNCS) Sprigner, vol. 5198, p.p. 307-320, September, 2008

80. G. I. Tsiropoulos, D. G. Stratogiannis, **E. E. Tsiropoulou** and P. G. Cottis, "Energy Distribution Networks Evolution towards Smart Grid Networks Incorporating Power Line Communications Technology & Services," in Proc. WSPLC 2008

Book Chapters

1. **E. E. Tsiropoulou**, P. Vamvakas, S. Papavassiliou, "Resource Allocation in Multi-tier Femtocell and Visible-Light Heterogeneous Wireless Networks, " Book Chapter in "Resource Allocation in Next-Generation Broadband Wireless Access Networks" Book, Editors: Chetna Singhal and Swades De, 2016

2. E. Stai, V. Karyotis, G. Katsinis, **E.E. Tsiropoulou** and S. Papavassiliou, "A Hyperbolic Big Data Analytics Framework within Complex and Social Networks," Book Chapter in " Big Data in Complex and Social Networks " Handbook, Editors: M. T. Thai, W. Wu, and H. Xiong, CRC Press - Taylor & Francis Group, Boca Raton, FL, USA, 2015

3. **E.E. Tsiropoulou**, T. Kastrinogiannis and S. Papavassiliou, "Non-cooperative Power Control in CDMA Wireless Networks," in "Game Theory for Wireless Communications and Networking" book, Auerbach Publications, CRC Press, Taylor & Francis Group, 2010

4. G. I. Tsiropoulos, D. G. Stratogiannis and **E.E. Tsiropoulou**, Mobile and Wireless Communications Network layer and circuit level design, Chapter 1: Call Admission Control in Mobile and Wireless Networks, pp. 1-26, INTECH, January 2010

The total number of peer-reviewed publications listed above is 146.

Student Supervision At University of New Mexico

Ph.D. Students

1. Md. Sahabul Hossain (Chair, post-proposal)

    Topic: Positioning, Navigation, and Timing enabled by Next Generation Networks

2. Sadman Siraj (Chair, pre-proposal)

    Topic: Resource Orchestration in Next Generation Networks

3. Aisha Rahman (Chair, pre-proposal)

    Topic: Design and Optimization of 6G Wireless Networks

4. Adedamola Adesokan (Chair, pre-qualifier)

    Topic: Cyber-security solutions in distributed complex systems

5. Nicholas Kemp (Chair, pre-qualifier)

    Topic: Heliostat Fields Wireless Communications Autonomy

6. Arianna Santamaria Penafiel (Chair, pre-qualifier)

    Topic: Integrated Sensing, Communications, and Computing Systems

7. Yie Sheng Chen (Chair, pre-qualifier)

    Topic: Resource Management in 6G Networks

8. Abid Mohammad Ali (Chair, pre-qualifier)

    Topic: Cybersecurity in Smart Grid Systems based on Artificial Intelligence

9. Joshua Atencio (Chair, pre-qualifier)

    Topic: Positioning, Navigation, and Timing Solutions

10. Sean Tsikteris (Chair, pre-qualifier)

    Topic: Grid Resilience based on AI techniques

11. Jason Bingham (Chair, pre-qualifier)

    Topic: Positioning, Navigation, and Timing Solutions in Public Safety Systems

MS Students

1. Keith Bova

2. Dominic Romero

3. Matthew Salcido

4. Issiac Baca

5. Rowan Kinney

Alumni

PhD Students

1. Fisayo Sangoleye (Chair, Spring 2023, graduated with distinction) – First Placement: Cybersecurity Lead Engineer, GE Research, NY, USA

   Topic: Reinforcement Learning-based Resilience and Decision Making in Cyber-Physical Systems

2. Nafis Irtija (Chair, Spring 2023) – First Placement: Research Intern, Sandia National Laboratories, NM, USA

   Topic: Energy-efficient Operation and Performance Optimization in Computing Systems

3. Georgios Fragkos (Chair, Fall 2022, graduated with distinction) – First Placement: Postdoc Researcher, Sandia National Laboratories, USA

   Topic: Autonomous Decision-Making in Interdependent Computing Systems based on Artificial Intelligence

4. Nathan Patrizi (Chair, Spring 2022, graduated with distinction) – First Placement: Software Development Engineer, AWS Transactional Services, USA

   Topic: Decentralized Intelligent Decision Making in Cyber Physical Social Systems

5. Pavlos Athanasios Apostolopoulos (Chair, Summer 2021, graduated with distinction) – First Placement: Research Scientist, Facebook AI, CA, USA

   Topic: Artificial Intelligent Risk-aware Autonomous Decision-Making in Resource-Constrained Computing Systems

MS Students

1. Jordan Patrizi (Chair, Fall 2023, graduated with distinction) – First Placement: Sandia National Laboratories, USA

   Topic: Dynamic Spectrum Management in 3D Networks Inspired by Biological Systems

2. Clarizza Morales Chacon (Chair, Fall 2023, graduated with distinction) – First Placement: COSMIAC, USA

   Topic: Design, Optimization, and Hardware Deployment of a Deep Learning Model for GPS Spoofing Detection using GNSS Satellite Receiver Protocol Data

3. Aisha B Rahman (Chair, Fall 2023, graduated with distinction) – First Placement: Ph.D. Student at ECE, UNM

   Topic: A Symbiotic Content Caching Approach in Next-Generation Information-Centric Networks based on Game Theory

4. Md Sadman Siraj (Chair, Fall 2023, graduated with distinction) – First Placement: Ph.D. Student at ECE, UNM

   Topic: A Bio-inspired Alternative Positioning, Navigation, and Timing Approach based on a Potential Game-theoretic Model

5. Md Sahabul Hossain (Chair, Fall 2023, graduated with distinction) – First Placement: Ph.D. Student at ECE, UNM

   Topic: Location Aware Task Offloading Framework for Edge Computing Empowered by Reconfigurable Intelligent Surfaces

6. Ryan Brown (Chair, Spring 2023, graduated with distinction) – First Placement: Sandia National Laboratories, USA

   Topic: Incentives to Learn: A Location-based Federated Learning Model

7. Natasha Kubiak (Chair, Spring 2023, graduated with distinction) – First Placement: Sandia National Laboratories, USA

   Topic: Network Economics-based Crowdsourcing in Online Social Networks

8. Jenilee Jao (Chair, Fall 2022, graduated with distinction) – First Placement: Ph.D. Student at ECE, UNM

   Topic: Reinforcement Learning-based Demand Response Management in Smart Grid Systems with Prosumers

9. Sean Pluemer (Chair, Spring 2022, graduated with distinction) – First Placement: Sandia National Laboratories, USA

   Topic: Prospect-Theoretic Demand Response Management in Smart Grid Systems

10. Fisayo Sangoleye (Chair, Fall 2021, graduated with distinction) – First Placement: Ph.D. Student at ECE, UNM

    Topic: Smart Energy Harvesting for Internet of Things Networks

11. Nafis Irtija (Chair, Fall 2021, graduated with distinction) – First Placement: Ph.D. Student at ECE, UNM

    Topic: Contract-theoretic Demand Response Management in Smart Grid Systems

12. Sean Lebien (Chair, Spring 2020, graduated with distinction) – First Placement: Dynamic Systems and Research, NM, USA

    Topic: Incentivization in Mobile Edge Computing using a Full Bayesian Approach

13. Georgios Fragkos (Chair, Spring 2020, graduated with distinction) – First Placement: Ph.D. Student at ECE, UNM

    Topic: Artificial Intelligence Enabled Distributed Edge Computing for Internet of Things Applications

14. Nathan Patrizi (Chair, Spring 2020, graduated with distinction) – First Placement: Ph.D. Student at ECE, UNM

    Topic: Socio-physical Human Orchestration in Smart Cities

15. Marcos Torres (Chair, Fall 2019, graduated with distinction) – First Placement: Sandia National Laboratories, USA

    Topic: Satisfaction-aware Data Offloading in Surveillance Systems

    Awarded the honorable mention for the Graduate Research Fellowship Program (GRFP) from the National Science Foundation.

    IEEE/Sigma Xi Annual Outstanding Graduate Student Award.

16. Nicholas Kemp (Chair, Fall 2019, graduated with distinction) – First Placement: Sandia National Laboratories, USA

    Topic: Artificial Intelligent UAVs Data Offloading in Mobile Edge Computing

17. Pavlos Athanasios Apostolopoulos (Chair, Fall 2019, graduated with distinction) – First Placement: Ph.D. Student at ECE, UNM

    Topic: Demand Response Management in Smart Grid Networks: a Two-Stage Game-Theoretic Learning-Based Approach

Undergraduate Students

1. Oshan Poudyal (Undergraduate Research Project 2021-2022)

2. Kimberly Faris (Senior Design Project 2020-2021)

3. Jenilee Jao (Senior Design Project 2020-2021)

4. Sara Kathryn LaTouf (Honors Project - Fall 2020, Spring 2021)

5. Isabella Maria Obermeier (CRITICAL TECHNOLOGY STUDIES PROGRAM (CTSP) Summer 2020)

6. Alexis Marie Rubin (Senior Design Project 2019-2020)

7. Daenarah Abriana Dorcas (Senior Design Project 2019-2020)

8. Kelly Rael (Senior Design Project 2018-2019)

9. Nathan Patrizi (Senior Design Project 2018-2019)

High School Students

1. Antony Ha (Spring 2022)

2. Maggie Wang (Summer 2019)

3. Anish Kumar (Summer 2018, Spring 2019)

4. Spoorthi Menta (Summer 2018)

Professional Standing

Member of several professional societies, including:

1. Senior Member of Institute of Electrical and Electronics Engineers (IEEE), December 2021 - present

2. Member of Institute of Electrical and Electronics Engineers Communications Society (IEEE ComSoc), 2018-present

3. Member of Institute of Electrical and Electronics Engineers Computer Society, 2018-2021

4. Member of Association for Computing Machinery (ACM), 2019-Present

5. Member of Association for Computing Machinery (ACM) SIGMOBILE, 2019-Present

6. Member of the Technical Chamber of Greece, October 2008- Present

Service to UNM

1. Computer Engineering Area Chair, ECE, UNM, July 2023 - present

2. Director of Recruiting and Admissions, ECE, UNM, 2021-present

   Increased by 26% the enrollment of graduate students of ECE, UNM

3. Computer Engineering Area Vice Chair, ECE, UNM, Fall 2022-June 2023

4. Research Allocation Committee, UNM, 2020-2022

5. Hiring Committee, ECE, UNM, 2017-2020

6. Undergraduate Committee, ECE, UNM, 2018-2019, 2021-present

7. Graduate Committee, ECE, UNM, 2017-present

8. Computer Engineering Area Chair, ECE, UNM, Jan. 2020 - Sept. 2022

9. Area Chair of the Computer Systems & Networks and Internet of Things areas in the Department of Electrical and Computer Engineering, UNM, 2018-present.

10. Redesigning the undergraduate curriculum, 2018-2019. My proposed plan of including the ECE 341 Communication Systems was presented to and accepted by the Undergraduate Committee and the course became a standard requirement in the Computer Engineering undergraduate program.

11. Representing School of Engineering and the Department of Electrical and Computer Engineering to the Collaborative Network for Engineering and Computing Diversity (CoNECD) Conference in Washington DC, 2018

12. Representing School of Engineering and the Department of Electrical and Computer Engineering to the Big Ten+ Graduate School Exposition at Purdue University (Recruiting Event), 2018 and 2019.

13. Participating in the Open House event of UNM, 2017-2019.

14. Preparing a new graduate course in the Computer Engineering, ECE, UNM entitled Network Economics. The course had 20 students registered in Spring 2019.

15. Member of the Advisory Communication Board of the ADVANCE at UNM contributing to outreach activities of UNM, 2019-present.

16. Foreign Language Proficiency for the Greek Language, Official contact for UNM, 2017-present.

Professional Services

Executive Committee Positions

1. Associate Editor: IEEE/ACM Transactions on Networking; 2023 – present

2. Associate Editor: IEEE Transactions on Mobile Computing; 2023 – present

3. Technical Program Vice-Chair for Information Systems, IEEE INFOCOM 2024

4. General vice-Chair, IEEE WoWMoM 2024

5. Associate Editor: IEEE Transactions on Network Science and Engineering 2023-present

6. TPC Chair: Selected Areas in Communication, Social Networks Track, IEEE ICC 2024

7. Workshops Chair, IEEE SMARTCOMP 2024

8. Workshops Chair, IEEE PERCOM 2024

9. TPC Vice-Chair, ICDCN 2024

10. Symposium Chair, IEEE Future Networks World Forum 2023, SYMPOSIUM ON ECONOMICS IN FUTURE NETWORKING

11. Symposium Chair, IEEE SmartGridComm 2023, Communication and Networking track.

12. Associate Editor: IEEE Transactions on Green Communications and Networking, 2023-present

13. Associate Editor: IEEE Vehicular Technology Magazine, 2023-present

14. General Chair IEEE 24th International Conference on High-Performance Switching and Routing (IEEE HPSR 2023), 2023.

15. Associate Editor: IEEE Transactions on Machine Learning in Communications and Networking, 2022-present

16. TPC Vice Chair 21st IEEE International Conference on Pervasive Computing and Communications (IEEE PerCom 2023), 2023.

17. Publicity Chair, 24th International Conference on Distributed Computing and Networking 2023.

18. Publicity Chair, 18th IEEE/IFIP Wireless On-demand Network systems and Services Conference (WONS), 2023.

19. Program Track Chair, IEEE 34th International Symposium on Computer Architecture and High Performance Computing (SBAC-PAD 2022), Networking and Distributed Systems, 2022.

20. Program Co-chair IEEE Global Communications (GLOBECOM) Conference 2022 – Symposium GREEN COMMUNICATION SYSTEMS AND NETWORKS, 2022.

21. Program Co-chair 23rd IEEE International Symposium on a World of Wireless, Mobile and Multimedia Networks (WoWMoM) 2022.

22. Posters & Demos Chair, 27th IEEE Symposium on Computers and Communications (ISCC 2022), 2022.

23. Keynote Speaker, N2Women Event, 31th International Conference on Computer Communications and Networks - ICCCN, 2022

24. Track Chair: Track 1: Ad Hoc, Mobile, and Sensor Networking (AMSN) in the 31th International Conference on Computer Communications and Networks - ICCCN, 2022

25. Tutorial Chair IEEE 23rd International Conference on High-Performance Switching and Routing (IEEE HPSR 2022)

26. Track Chair, IEEE 18th International Conference on Mobility, Sensing and Networking (MSN 2022), Edge Computing, IoT and Digital Twins, 2022.

27. Keynote Speaker, N2Women Event, IEEE International Conference on Smart Computing (SMARTCOMP), 2022.

28. Publicity Chair, IEEE International Conference on Smart Computing (SMARTCOMP), 2022.

29. Publicity Chair, 30th IEEE International Conference on Network Protocols (ICNP 2022), 2022.

30. Publicity Chair, EAI WiCON 2022 - 15th EAI International Wireless Internet Conference, 2022.

31. Associate Editor: IEEE Networking Letters (2020-present)

32. Program Co-chair 26th IEEE Symposium on Computers and Communications (ISCC 2021)

33. Technical Program Committee Chair 19th ACM Symposium on Mobility Management and Wireless Access (ACM MobiWac) 2021

34. Track Chair: Track 1: Ad Hoc, Mobile, and Sensor Networking (AMSN) in the 30th International Conference on Computer Communications and Networks - ICCCN, 2021

35. PhD Workshop Chair in IEEE International Conference on Sensing, Communication and Networking (IEEE SECON) 2021

36. Doctoral Symposium Chair: 23rd International Conference on Distributed Computing and Networking - ICDCN 2022

37. General Chair: Selected Areas in Communication, Social Networks Track, IEEE Globecom 2020

38. Best Paper Award Committee: IEEE Global Communications Conference 2019 - IEEE GLOBECOM 2019

39. Associate Editor: Evolutionary Intelligence, Springer, 2020-present

40. Associate Editor: Pervasive and Mobile Computing, Elsevier, 2020-present

41. Associate Editor: Computer Networks, Elsevier, 2019-present

42. Associate Editor: Ad Hoc Networks, Elsevier, 2019-present

43. Publicity Chair for Global Internet Symposium – IEEE INFOCOM 2021

44. Publicity Chair for IEEE WoWMoM 2021

45. General Chair: 1st International Workshop on Real-life modeling in 5G networks and beyond, IEEE DCOSS 2020

46. Program Committee member of the IEEE International Conference on Omni-layer Intelligent systems – COINS2020.

47. Program Committee member of the PhD Forum, 21st IEEE International Symposium on a World of Wireless, Mobile and Multimedia Networks (WoWMoM), August 31 - September 3 2020, Cork, Ireland

48. Workshops Chair for 6th IEEE International Conference on Smart Computing 2020 - IEEE SMARTCOMP 2020

49. Publicity Chair: 24th IEEE/ACM International Symposium on Distributed Simulation and Real Time Applications, 2020

50. Publicity Chair: 25th IEEE Symposium on Computers and Communications (ISCC) 2020

51. Publicity Chair: IEEE International Conference on Distributed Computing in Sensor Systems (IEEE DCOSS 2020)

52. Associate Editor: Transactions on Emerging Telecommunications Technologies, Wiley, 2019-present

53. Workshop Program Chair: Mobicom Workshop on Challenged Networks (CHANTS) 2019, co-organized with ACM MobiCom 2019.

54. Editorial Board Member: Future Internet, MDPI, 2019-present

55. Co-editor for the Special Issue in Future Internet, MDPI: Selected Papers from IEEE ICICT 2019

56. Co-editor for the Special Issue in Future Internet, MDPI: Network Economics and Utility Maximization

57. Keynote Talk: IEEE Workshop on Data Distribution in Industrial and Pervasive Internet, 2019

58. N2WOMEN Panelist: IEEE INFOCOM 2019

59. Newsletter Chair: Social Networks Technical Committee, IEEE

60. Special Issue Co-Editor: "5G Enabled Internet of Things Applications and Services", Computer Networks, Elsevier

61. Demonstration Chair: 20th IEEE International Symposium on a World of Wireless, Mobile and Multimedia Networks (WoWMoM), 2019

62. N^2 WOMEN Chair: 20th IEEE International Symposium on a World of Wireless, Mobile and Multimedia Networks (WoWMoM), 2019

63. Publicity Chair and TPC Member: 20th IEEE International Symposium on a World of Wireless, Mobile and Multimedia Networks (WoWMoM), 1st International Workshop on Data Distribution in Industrial and Pervasive Internet, 2019

64. Local Arrangements Co-Chair: Ad-Hoc Now 2015, June 29 - July 02, 2015, Athens, Greece

65. Workshop General Co-Chair: Workshop on Mobile Computing and Networking Technologies 2009 (WMCNT 2009), http://wmcnt09.ntua.gr, St. Petersburg, Russia, October 2009.

66. Workshop General Co-Chair: Workshop on Mobile Computing and Networking Technologies 2010 (WMCNT 2010), http://wmcnt.ntua.gr

67. Workshop General Chair: Workshop on Mobile Computing and Emerging Communication Networks 2010 (MCECN 2010), http://mcecn.ntua.gr, Miami, Florida, USA, December 2010.

68. Workshop General Chair: Workshop on Mobile Computing and Emerging Communication Networks 2011 (MCECN 2011), http://mcecn.ntua.gr, Houston, Texas, USA, December 2011.

69. Workshop General Co-Chair: Workshop on Mobile Computing and Networking Technologies 2011 (WMCNT 2011), http://wmcnt.ntua.gr, Budapest, Hungary, October 2011.

70. Workshop General Co-Chair: Workshop on Mobile Computing and Networking Technologies 2012 (WMCNT 2012), http://wmcnt.ntua.gr, St. Petersburg, Russia, October 2012.

Reviewer for National Funding

1. Reviewer for NSF CISE Division, 2017-present (more than 10 panels)

2. Reviewer for NSF Engineering Division, 2017-present (more than 10 panel)

3. Reviewer for Natural Sciences and Engineering Research Council of Canada, 2018-present (more than 10 panel)

4. Reviewer for the National Research Fund of Luxemburg, 2017-present (more than 10 panels)

5. Reviewer for NSF CRII proposal at University of Omaha, 2019 (1 proposal)

Technical Program Committee Member

1. IEEE MASS 2024

2. IEEE ICC 2024 Sixth International Workshop on Data Driven Intelligence for Networks and Systems (DDINS)

3. IEEE LANMAN 2024

4. International Conference for High Performance

5. IEEE Computing, Networking, Storage, and Analysis 2024 SMARTCOMP2024

6. 2024 European Conference on Networks and Communications & 6G Summit (EuCNC/6G Summit): Network Softwarisation (NET)

7. IEEE ICNP 2024

8. ICDCS 2024

9. ICCCN 2024

10. IEEE WF-PST 2024

11. ICETSIS 2024

12. IEEE ICC'24 - CSM Symposium

13. IEEE ICWMC 2024

14. Wi-DroIT 2024

15. 6th International Conference on Emerging Networks Technologies (ICENT 2024)

16. FUTURE COMPUTING 2024

17. WoWMoM 2024

18. WONS 2024

19. International Conference on Intelligent Environments IE2024

20. 24th IEEE/ACM international Symposium on Cluster, Cloud and Internet Computing CCGRID'2024

21. IEEE LATINCOM 2023

22. 39th ACM Symposium on Applied Computing, 2024

23. IEEE ICC'24 - Communication Theory Symposium

24. 1ST INTERNATIONAL CONFERENCE OF ELECTRICAL ENGINEERING, INFORMATICS, INDUSTRIAL TECH- NOLOGY, AND CREATIVE MEDIA (INCENTIVE) (INCENTIVE 2023)

25. IEEE ICC'24 - Next-Generation Networking & Internet Symposium

26. IEEE ICC'24 - Quantum Communications and Information Technology Symposium

27. IEEE Conference on Standards for Communications & Networking, 2023

28. INTERNATIONAL CONFERENCE ON INNOVATION AND INTELLIGENCE FOR INFORMATICS, COMPUT- ING, AND TECHNOLOGIES, 2023

29. 1st International Workshop on Middleware for the Computing Continuum, 2023

30. 14th IEEE International Conference on Network of the Future (NoF 2023), 2023

31. IEEE ICC'24 - Smart Grid Communications Symposium

32. IEEE ICC'24 - Social Networks Symposium

33. 5th International Workshop on Smart Living with IoT, Cloud, and Edge Computing 2023

34. IEEE PERCOM 2024

35. 5th International Conference on Emerging Networks Technologies (ICENT 2023), 2023

36. 23rd IEEE International Conference on Software Quality, Reliability, and Security

37. 4th International Conference on Telecommunications, Optics and Computer Science (ICTOCS2023), 2023

38. 8th International Conference on Information and Communication Technologies for Disaster Management (ICT-DM 2023), 2023

39. IEEE SECON 2023

40. 7th International Workshop on Cryptocurrencies and Blockchain Technology

41. IEEE BlackSeaCom 2023

42. IEEE International Conference on Communications, Control, and Computing Technologies for Smart Grids (SmartGridComm) 2023

43. 12th IEEE International Conference on Communication, Networks and Satellite (IEEE COMNETSAT 2023)

44. International Conference on Metaverse Computing, Networking and Applications, 2023

45. CM/IRTF Applied Networking Research Workshop 2023

46. 26th International Symposium on Wireless Personal Multimedia Communications (WPMC), 2023

47. IEEE IPCCC 2023

48. IEEE Globecom 2023 - Social Networks Symposium

49. CloudSummit 2023

50. International Workshop on Mobile Applications (MobiApps 2023), 2023

51. International Symposium on Algorithmic Aspects of Cloud Computing, 2023

52. 26th ACM International Conference on Modeling, Analysis and Simulation of Wireless and Mobile Systems, 2023

53. IEEE MeditCom 2023

54. 31st IEEE International Conference on Network Protocols (ICNP 2023), 2023

55. 2nd International conference on Machine Learning, Cloud Computing and Intelligent Mining (MLCCIM 2023), 2023

56. IEEE PIMRC 2023

57. IEEE/ACM International Symposium on Quality of Service 2023 (IWQoS 2023)

58. IEEE LCN 2023

59. WiOpt 2023

60. IEEE LANMAN 2023

61. International Conference on Big Data, Information and Intelligent Engineering (BDIEE 2023), 2023

62. 23rd International Symposium on Cluster, Cloud and Internet Computing, 2023

63. ICC'23 Workshop - International Workshop on Data Driven Intelligence for Networks and Systems (DDINS), 2023

64. IEEE SmartComp 2023

65. IEEE VTC2023-Spring

66. 5th IEEE International Workshop on Wireless Sensors and Drones in Internet of Things, 2023

67. IEEE ICC 2023, Social Networking Track

68. IEEE ICC 2023, Communication Software and Multimedia Symposium

69. IEEE ICC 2023, Selected Areas in Communications: Quantum Communications and Information Technology

70. IEEE INFOCOM 2023

71. SENSORNETS 2023

72. 18th Wireless On-demand Network systems and Services Conference, 2023

73. IEEE International Performance Computing and Communications Conference (IPCCC), 2022

74. IEEE 18th International Conference on Mobility, Sensing and Networking, 2022

75. 2nd Workshop on Security, Privacy and Reliability on Wireless Sensing Networks (WSensing '22)

76. IEEE Middle East & North Africa COMMunications Conference (MENACOMM 2022)

77. 2nd Workshop on Negative Results in Pervasive Computing (PerFail), co-located with IEEE PerCom 2023

78. 6th International Conference on Informatics and Computational Sciences (ICICoS 2022), 2022

79. IEEE 18th International Conference on Network and Service Management, 2022

80. 6th International Workshop on Cryptocurrencies and Blockchain Technology, 2022

81. 6th International Conference on Aerospace Technology, Communications and Energy Systems, 2022

82. IEEE Globecom 2022, Social Networking Track

83. IEEE INFOCOM 2022

84. IEEE LANMAN 2022

85. IFIP Networking 2022

86. IEEE SMARTCOMP 2022

87. IEEE PIMRC 2022

88. IEEE MASS 2022

89. IEEE SECON 2022

90. IEEE BALCANCOM 2022

91. IEEE MEDITCOM 2022

92. IEEE MSWiM 2022

93. IEEE LCN 2022

94. WiOpt 2022

95. IEEE WISARN 2022

96. IEEE CyberneticsCom 2022

97. IEEE WCNEE 2022

98. IEEE BRAINS 2022

99. IEEE VTC Spring 2022

100. IEEE International Conference on Big Data Computing Service and Machine Learning Applications, 2022

101. 2021 IEEE Global Communications Conference: Selected Areas in Communications: Quantum Communications & Computing

102. 10th International Conference on Sensor Networks, 2021

103. 23rd International Conference on Distributed Computing and Networking, 2021

104. 44th International Conference on Telecommunications and Signal Processing, 2021

105. IEEE Cloud Summit 2021

106. 15th International Conference on Sensor Technologies and Applications, 2021

107. 3rd Conference on Blockchain Research & Applications for Innovative Networks and Services (BRAINS 2021)

108. 3rd International Workshop on Wireless Sensors and Drones in Internet of Things (Wi-DroIT) 2021

109. 3rd IEEE International Workshop on Data Driven Intelligence for Networks and Systems (DDINS) 2021

110. IEEE/ACM IWQoS'21 - IEEE/ACM International Symposium on Quality of Service 2021

111. 24th ACM International Conference on Modeling, Analysis and Simulation of Wireless and Mobile Systems - MSWiM 2021

112. 19th International Symposium on Modeling and Optimization in Mobile, Ad Hoc, and Wireless Networks - WiOpt 2021

113. 3rd Workshop on Emerging Technologies and Trends in Engineering Low-Power Networks - NewNets 2021

114. Joint European Conference on Networks and Communications & 6G Summit (EuCNC/6G Summit): Network Softwarisation (NET) 2021

115. IEEE International Mediterranean Conference on Communications and Networking 2021

116. IEEE International Conference on Sensing, Communication and Networking SECON 2021

117. 4th International Conference on Communication Theory, Reliability, and Quality of Service 2021

118. IEEE 32nd Annual International Symposium on Personal, Indoor and Mobile Radio Communications - PIMRC 2021

119. 20th International Conference on Networks 2021

120. IEEE International Conference on Computer Communications – INFOCOM, 2021

121. IEEE International Conference on Communications (ICC): Next-Generation Networking and Internet Symposium 2021

122. IEEE International Conference on Communications (ICC): Communication Software and Multimedia Symposium 2021

123. 36th ACM Symposium on Applied Computing, 2021

124. IEEE International Conference on Blockchain and Cryptocurrency – ICBC, 2021

125. 10th International Conference on Sensor Networks - SENSORNETS, 2021

126. The Web Conference, Web of Things, Ubiquitous and Mobile Computing, 2021

127. IEEE International Conference on Smart Computing – SMARTCOMP 2021

128. IEEE IoT-Health 2021 – IEEE ICC 2021

129. IEEE World Forum on Internet of Things – WF-IoT 2021

130. IEEE ICC 2021 Workshop on Communication, Computing, and Networking in Cyber-Physical Systems 2021

131. 17th International Conference on Distributed Computing in Sensor Systems – IEEE DCOSS 2021

132. International Conference on Data Analytics for Business and Industry 2020

133. 20th Annual IFIP Networking Conference 2021

134. IEEE/ACM Workshop on Serverless To sErvE moRe at Scale STEERS 2021 – IEEE/ACM CCGRID 2021

135. 14th IEEE International Workshop on Wireless Sensor, Robot and UAV Networks 2021 - IEEE INFOCOM 2021

136. 2nd International Sustainability and Resilience Conference 2020

137. Sixth International Conference on e-Learning – ECONF 2020

138. 9th IEEE International Conference on Communication, Networks and Satellite (IEEE COMNETSAT 2020)

139. IEEE International Conference on Decision Aid Sciences and Application (DASA), 2020

140. IEEE Globecom, Selected Areas in Communications: Internet of Things and Smart Connected Communities, 2020

141. IEEE 31st Annual International Symposium on Personal, Indoor and Mobile Radio Communications (PIMRC), 2020

142. European Conference on Networks and Communications (EuCNC) 2020

143. IEEE International Conference on Blockchain and Cryptocurrency, 2020

144. IEEE International Conference on Network Protocols (ICNP 2020), 2020

145. 17th IEEE International Conference on Sensing, Communication and Networking - IEEE SECON 2020

146. International Conference on Innovation and Intelligence for Informatics, Computing, and Technologies, 2020

147. 2nd Workshop on Emerging Technologies and Trends in Engineering Low-Power Networks (NewNets) to be held as part of the International Symposium on a World of Wireless, Mobile and Multimedia Networks (WoWMoM) in June 2020

148. IEEE International Conference on Communications (ICC): Communication Software, Services and Multimedia Applications Symposium 2020

149. 3rd International IoT-Health workshop is scheduled to take place as part of the IEEE ICC 2020

150. 8th International Conference of Security, Privacy and Trust Management (SPTM 2020)

151. 13th IEEE International Workshop on Wireless Sensor, Robot and UAV Networks, IEEE INFOCOM 2020

152. IEEE SMARTCOMP 2020

153. 35th ACM/SIGAPP Symposium On Applied Computing, 2020

154. IEEE International Conference on Distributed Computing in Sensor Systems (DCOSS 2020) 2020

155. IEEE World Forum on Internet of Things - IEEE WFIoT 2020

156. IEEE INFOCOM 2020-IEEE Conference on Computer Communications Workshops (INFOCOM WKSHPS) - 4th IEEE International Workshop on Wireless Communications and Networking in Extreme Environments (WCNEE'20)

157. IEEE International Symposium on Local and Metropolitan Area Networks (IEEE LANMAN 2020)

158. 4th International Balkan Conference on Communications and Networking 2020 (BalkanCom 2020)

159. 19th International Conference on Ad Hoc Networks and Wireless (AdHoc-Now 2020)

160. 16th International Conference on Wireless and Mobile Communications - ICWMC 2020

161. 17th International Conference on Information Technology- New Generations 2020

162. 1st ACM Workshop on Experimentally-driven 5G Research, Business Applications, & Developments – 5G-ReBuilD 2020

163. IEEE International Conference on Network Protocols (ICNP 2019)

164. 35th ACM Symposium on Applied Computing, 2019

165. ACM SenSys 2019

166. Information Quality and Quality of Service for Pervasive Computing (IQ2S 2020), 2020

167. 1st ACM CoNEXT Workshop on Emerging in-Network Computing Paradigms (ENCP'19) (CoNEXT ENCP'19)

168. IEEE Global Communications Conference: Selected Areas in Communications: Social Networks, 2019

169. IEEE International Symposium on Personal, Indoor and Mobile Radio Communications, PIMRC, 2019

170. 8th International Conference on Advances in Computing, Communications and Informatics (ICACCI'19), 2019

171. 5th International Conference on Smart Computing (SMARTCOMP), 2019

172. European Conference on Networks and Communications (EuCNC), 2019

173. 28th International Conference on Computer Communications and Networks, Hot Topics in Networking (HOT), 2019

174. IEEE 5th World Forum on Internet of Things, 2019

175. IEEE Global Communications Conference (GLOBECOM), SELECTED AREAS IN COMMUNICATIONS (SAC) SYMPOSIUM, Internet of Things, 2019

176. 20th IEEE International Symposium on a World of Wireless, Mobile and Multimedia Networks (WoWMoM), 5th IEEE International workshop on Communication, Computing, and Networking in Cyber Physical Systems, 2019

177. 1st ACM CoNEXT Workshop on Emerging in-Network Computing Paradigms (ENCP'19) (CoNEXT ENCP'19)

178. Workshop on Information Quality and Quality of Service for Pervasive Computing (IQ2S 2020) in conjunction with IEEE Percom 2020

179. International Balkan Conference on Communications and Networking, 2019

180. 2nd IEEE Middle East and North Africa Communications Conference, 2019

181. 18th International Conference on Ad Hoc Networks and Wireless (AdHoc-Now 2019)

182. IEEE Middle East & North Africa COMMunications Conference 2019 (IEEE MENACOMM'19)

183. IEEE International Conference on Network Protocols, September 24-27, 2018, Cambridge, UK

184. IEEE Global Communications Conference (GLOBECOM), workshop on Communication, Computing, and Networking in Cyber Physical Systems (CCNCPS 2018), 9-13 December 2018, Abu Dhabi, UAE

185. IEEE Workshop on Cognitive Networks (CogniNets'18), October 1-4, 2018, Chicago, USA

186. IEEE International Symposium on Personal, Indoor and Mobile Radio Communications (PIMRC 2018), 9-12 September 2018 - Bologna, Italy

187. The 16th International Conference on Ad Hoc Networks and Wireless, AdHoc-Now 2017, Springer, 20-22 Sep. 2017, Messina, Italy

188. The Sixth International Conference on Advances in Vehicular Systems, Technologies and Applications, IARIA, July 23 - 27, 2017, Nice, France

189. IEEE WoWMoM 2017, International Workshop on Small Cell Networking for 5G, June 12-15, 2017, Macau, China

190. IEEE 85th Vehicular Technology Conference, VTC2017-Spring, Track: Wireless Access Technology and Heterogeneous Networks, June 4-7, 2017, Sydney, Australia

191. IEEE 84th Vehicular Technology Conference, VTC2016-Fall, Track: Radio Access Technology, LTE, 5G, and Wireless Heterogeneous Networks, September 18-21, 2016, Montreal, Canada

192. IEEE 83rd Vehicular Technology Conference , VTC2016-Spring, Track: LTE/LTE-A, 5G, and Wireless Heterogeneous Networks, May 15-18, 2016, Nanjing, China

193. IEEE 82nd Vehicular Technology Conference, VTC2015-Fall, Track: Cellular Networks, September 6-9, 2015, Boston, USA

194. Ad-Hoc Now 2014, June 22-27, 2014, Benidorm, Spain (Technical Program Committee Member)

195. Ad-Hoc Now 2013, July 08-10, 2013, Wroclaw, Poland (Technical Program Committee Member)

196. Ad-Hoc Now 2012, July 09-11, 2012, Belgrade, Serbia (Technical Program Committee Member)

197. MCECN 2010, 2011 Workshop on Mobile Computing and Emerging Communication Networks (General Co-Chair)

198. WMCNT 2009, 2010, 2011, 2012 Workshop on Mobile Computing and Networking Technologies (General Co-Chair)