Professor Petar Popovski, Ph. D., IEEE Fellow
Fredrik Bajers Vej 7
Department of Electronic Systems, Aalborg University
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KEY COMPETENCES

- Wireless communication systems and networking.
- Communication theory.
- Wireless IoT, 5G, and beyond-5G/6G systems and networks.
- Statistical modeling and analysis.
- Radio spectrum management and regulation.

PUBLICATION AND CITATION RECORD (SEPTEMBER 13, 2021)

- Total number of publications: 452. Journal/conference/book chapter/book: 193/241/16/2
- Google Scholar record. Citations: 18812. H-index: 58

EDUCATION

- Executive Education (part-time), Harvard Business School, 2015.
- Part-time education within the "Pasteur Program: Leading the Virtual Company", supported by the Innovation Fund Denmark.

- Ph. D. in Wireless Communications, Aalborg University, Denmark
- Period of study: September, 2001 - September, 2004. Defended in December, 2004.
- Dissertation: "Algorithms for Conflict Resolution in Short-Range Wireless Networks"

- M. Sc. in Telecommunications, Faculty of Electrical Engineering, University "Ss. Cyril and Methodius", Skopje, Republic of Macedonia
- Period of study: December, 1997 - December, 2000 (4 semesters + final project).
- GPA: 10.0/10.0
- Master thesis title: "Interleaver Design for Parallel Concatenated Convolutional Codes"

- Dipl. Ing. in Electrical Engineering, focus areas of electronics and telecommunications, Faculty of Electrical Engineering, University "Ss. Cyril and Methodius", Skopje, Republic of Macedonia
- Period of study: October, 1992 - June, 1997 (9 semesters + final project)
- GPA: 9.98/10.0 (the best student in Electrical Engineering in 1997)
- Diploma project: "Cellular Automata"

WORK EXPERIENCE

- Professor, Department of Electronic Systems, Aalborg University, Denmark (April 2015-present)
- Visiting Excellence Chair, University of Bremen, Germany (January 2019-present)
- Member of the Board of Directors, GateHouse, Denmark (2021-present)
- Professor with Special Responsibilities, Department of Electronic Systems, Aalborg University, Denmark (January 2012-March 2015)
- RESEIWE A/S, Co-founder and part-time CTO, (January 2013 - September 2019)

- GateHouse Telecom, Advisory Board, 2018 - 2019.

- Associate Professor, Department of Electronic Systems, Aalborg University, Denmark (July 2009-December 2011)

- Wireless Architect, Oticon A/S, Denmark (March 2008-June 2009)
  - Design and build ultra-low-power wireless networking for hearing aids

- Assistant Professor, Department of Electronic Systems, Aalborg University, Denmark (January 2006-June 2009)

- Assistant Research Professor, Department of Communication Technology, Aalborg University, Denmark (September 2004-December 2005)

- Ph. D. fellow, Department of Communication Technology, Aalborg University, Denmark (September 2001- September 2004)

- Teaching and research assistant, Institute of Telecommunications, Faculty of Electrical Engineering, University "Ss. Cyril and Methodius", Skopje, Macedonia (September, 1998 - September, 2001)
  - NB: October 2000 - June 2001 there was interruption due to the mandatory military service. Responsibility in the army: Operation and maintenance of the advanced radio communication equipment

- Teaching instructor in the specialized high-school program PEKSNAS in Skopje, Macedonia (September, 1997 - August, 1998)

BEST PAPER AWARDS

- Best student paper award at International Conference on Vehicle Technology and Intelligent Transport Systems (VEHITS), 2021.
- Outstanding Student Paper Award, IEEE 6th World Forum on Internet of Things, (WF-IoT) 2020.
- IEEE Communications Society Stephen O. Rice Prize, 2018
- IEEE Communications Society Fred W. Ellersick Prize, 2016
- Best paper award at MACOM 2016
- Best paper award at CROWNCOM 2011
- Best paper award at WPMC 2011
- Best poster award at IEEE Communication Theory Workshop 2010
- Best paper award at IEEE Globecom 2009
- Best paper award at IEEE Globecom 2008
- Two best papers award in Software Radio conferences organized by Technical Committee of Software Radio in the Institute of Electronics, Information, and Communication Engineers (IEICE), Japan, May 2008.

HONORS, GRANTS, AND AWARDS

- Villum Investigator Grant, 2021.
- Teleprisen 2020, the annual award from the Danish Telecommunication Industry.
- Technical Achievement Award, IEEE Technical Committee on Smart Grid Communications, 2019
- ISI Highly Cited Researchers, 2018.
- IEEE Fellow, 2016
- Elite Researcher (five selected each year), Danish Council for Independent Research, February 2016
- Supervisor of the Ph. D. thesis by G. Corrales Madueno that received the annual award from IDA Tele, the telecommunication branch of the Danish Engineering Society.
- European Research Council (ERC) Consolidator Grant, 2015

- Co-recipient of the 27th Telecom System Technology Award from the Telecommunications Advancement Foundation of Japan, 2012.
- Research grant within the "Sapere Aude" program "Dependable Wireless Bits for Machine-to-Machine (M2M) Communication", DKK 7,500,000, 2011
- JSPS Invitation Fellowship for Research in Japan, 2011
- Elected Young Elite Researcher by the Danish Council for Independent Research, January 2009
- Grant for Proof-of-Concept regarding commercialization of the IPR "Methods and Systems for Communication Using Combinatorial Ordering of Users and Data Packets (COMBUNICATION)", DKK 650,000, March 2010
- Grant from Agilent Technologies for a research project in cognitive radio, DKK 75,000, 2009
- Research Grant from the Danish Research Council for Technology and Production for a research project "Taming the Interference in Wireless Networks through Utilization of A Priori Information", DKK 3,000,000, June 2008
- Elected Teacher of the Year by the Study board of Electronics and Information Technology at Aalborg University, June 2008
- Grant from the Danish Research Council for Visiting Scholar at Harvard University, the Division of Engineering and Applied Sciences (September 2007-November 2007)
- Grant for visiting lecturer to Kyoto University, Japan in February 2007
- Ph. D. grant no. 562/06-8-21511 from Aalborg University in 2001
- Research Grant from the Ministry of Science in Republic of Macedonia, "Advanced techniques for error control coding in wireless communication systems", 2000.
- Award for the best master thesis in telecommunications in 2000. Award sponsored by the national telecommunication carrier in Macedonia.
- Award from student association as the best student in electrical engineering graduated in 1997
- Award from the rector as the best student in electrical engineering graduated in 1997
- Scholarship from the National Technical University of Athens, Greece, for intensive courses in communications and computer science, 1996
- Dean's List Certificate 1993, 1994, 1995, 1996, 1997

KEYNOTE AND INVITED SPEAKER

- Invited speaker, Huawei Strategy and Technology Workshop, China, 2021 (virtual).
- Invited speaker, IEEE ComSoc Young Professionals, 2021 (virtual).
- Invited speaker, Wireless Silk Road, China, 2021 (virtual).
- Keynote speaker ISPCC 2021, Solan, Himachal Pradesh, India, 2021. (virtual)
- Keynote speaker Balkancom 2021, Novi Sad, Serbia, 2021.
- Keynote speaker WiSPNET 2021, Chennai, India, 2021. (virtual)
- Keynote speaker at the 10th International Symposium on Telecommunications, Iran, 2020. (virtual)
- Keynote speaker at GdR ISIS virtual workshop, France, 2020.
- Keynote speaker at IEEE SCVT 2019 in European Space Agency, the Netherlands.
- Keynote speaker at Stockholm Digitalization Research Event 2019, Sweden.
- Keynote speaker at ISWCS 2019 in Oulu, Finland.
- Keynote speaker at IEEE ICCC 2019 in Changchun, China.
- Keynote speaker at IEEE SPAWC 2019 in Cannes, France.
- Keynote speaker at IEEE EUROCON 2019 in Novi Sad, Serbia.
- Invited tutorial at 6G summit in Levi, Finland, 2019.
- Invited lecturer at Training School: Information Theory and Signal Processing for the Internet of Things, Lyon, France, 2018.

- Keynote speaker at IEEE ICC Workshop on Fundamental and Practice of Short-Packet Ultra-Reliable Low-Latency Communications for 5G & Beyond (B5G-URLLC), 2019.
- Keynote speaker at 5G summit, Dresden, September 2018.
- Keynote speaker at Global Information Infrastructure and Networking Symposium (GIIS 2018), Thessaloniki, Greece, October 2018.
- Future of Wireless technology workshop, Stockholm, Sweden, September 2018.
- Keynote speaker, Symposium on Information Theory in the Benelux, Twente, May 2018.
- Keynote speaker, CmMmW5G Workshop, IEEE WCNC, Barcelona, April, 2018.
- Keynote speaker, 6th International Workshop on Emerging Technologies for 5G and Beyond Wireless and Mobile Networks (ET5GB), workshop at IEEE Globecom 2017, December 2017.
- Invited speaker, CNRS workshop on IoT systems, November 2017.
- Invited speaker, NSF workshop on low latency, November 2017.
- Keynote at SplitTech 2017.
- Keynote at IEEE EUROCON 2017.
- Keynote at European Wireless, 2017.
- Keynote at the IEEE ICC Workshop on Integrating Communications, Control, and Computing Technologies for Smart Grid (ICT4SG), 2017.
- Keynote at IEEE International Symposium on Power Line Communications and its Applications (IEEE ISPLC), 2017.
- Invited speaker, IEEE Communication Theory Workshop, 2017.
- Keynote, "Low-Layer Implementation and Protocol Design for IoT Applications (IoT-LINK)", IEEE Globecom workshop, 2016
- Plenary speaker, Tyrrhenian Workshop on Digital Communications, Livorno, Italy, 2016.
- Invited speaker, Claude Elwood Shannon 100th Birthday Celebration, Paderborn, Germany, 2016.
- Invited speaker, 1st Nordic Conference on ICT - 5G: Expected Impact, Oslo, Norway, 2016
- FP7 SOrBet Summer School, Crete, Greece, July 2015.
- Keynote, IEEE MASSAP Workshop, London, UK, June 2015.
- Invited speaker, IEEE Communication Theory Workshop, 2015.
- Keynote, the 31st NORCHIP conference, Vilnius, Lithuania, 2013.
- ETSI conference, Ohrid, Republic of Macedonia, September 2009.
- ACoRN Workshop on Co-operative Wireless Communications, Sydney, Australia, July 2007
- 15 invited papers at conferences.

RESEARCH GRANTS (CURRENT FUNDING)

1. **Title:** WATER. **Funding source:** Villum Foundation. **Grant in EUR:** 4,000,000. **Role:** Principle Investigator. **Subject:** Wireless Architectures for intelligent and Trusted connectivity in the posT-5G Era. **Period:** 2021-2027.
2. **Title:** RISE-6G. **Funding source:** European Commission. **Grant in EUR:** 498,000. **Role:** AAU responsible. **Subject:** Reconfigurable Intelligent Surfaces for 6G. **Period:** 2021-2024.
3. **Title:** INTELLIOT. **Funding source:** European Commission, 5GPPP. **Grant in EUR:** 350,000. **Role:** AAU responsible. **Subject:** Framework for intelligent IoT environments with smart contracts and human-in-the-loop. **Period:** 2020-2023.
4. **Title/Subject:** Intelligent condition monitoring based on acoustic signal processing and machine learning. Funding **Funding source:** LEGO System A/S and Grundfos Holding A/S. **Grant in EUR:** 40,268. **Role:** Research contributor. **Period:** 2020-2021.

5. **Title:** TACTILITY. **Funding source:** European Commission. **Grant in EUR:** 251,188. **Role:** Responsible for communication engineering part. **Subject:** Framework for intelligent IoT environments with smart contracts and human-in-the-loop. **Period:** 2020-2023.

6. **Title:** WINDMILL. **Funding source:** Marie Curie ITN, European Commission. **Grant in EUR:** 4,072,823 (total for all partners). **Role:** Project coordination. **Subject:** Machine learning for wireless communications. **Period:** 2019-2023.

7. **Title:** SEMIOTIC. **Funding source:** Danish Independent Research Council (DFF), Technology and Production Sciences. **Grant in EUR:** 790,000. **Role:** PI. **Subject:** Integration of IoT communication and data mining. **Period:** 2018-2022.

RESEARCH GRANTS (PAST FUNDING)

8. **Title:** STELLAR (Scalable Design for Latency-Reliability-Rate in Real-Time Wireless). **Funding source:** Huawei. **Grant in EUR:** 200,000. **Role:** PI. **Subject:** Wireless access techniques for IoT. **Period:** 2019-2020.

9. **Title:** GROW. **Funding source:** Danish Independent Research Council (DFF), Technology and Production Sciences. **Grant in EUR:** 40,268. **Role:** PI. **Subject:** Visiting researcher from UC Irvine on the topic of blockchain and vehicular communication. **Period:** 2020-2020.

10. *ID:H2020-ICT-2016-2 760809* **Title:** ONE5G. **Funding source:** European Commission, 5GPPP. **Grant in EUR:** 629,727. **Role:** AAU Responsible. **Subject:** E2E-aware Optimizations and advancements for the Network Edge of 5G New Radio. **Period:** 2017-2019.

11. **Type:** Project within the H2020 RISE (MARIE SKŁODOWSKA-CURIE RESEARCH AND INNOVATION STAFF EXCHANGE) programme "TactileNet". **Funding source:** European Commission. **Grant in EUR:** 67,500. **Role:** AAU Responsible. **Period:** 2016-2019.

12. **Type:** Visiting Professor funding. **Funding source:** Velux Visiting Professor program. **Grant in EUR:** 47,000. **Role:** Grant recipient. **Period:** 2016

13. **Type:** Equpment for the M2M laboratory. **Funding source:** Det Obelske Familiefond. **Grant in EUR:** 33500. **Role:** Grant recipient.

14. *ID: ERC-2014-CoG-648382.* **Title:** WILLOW. **Funding source:** European Research Council. **Type:** Consolidator Grant. **Grant in EUR:** 1,994,412. **Role:** Principal Investigator. **Subject:** Massive and Ultra-Reliable Wireless Access. **Period:** 2015-2020.

15. *ID:H2020-ICT-2014-2 671660.* **Title:** FANTASTIC-5G. **Funding source:** European Commission, 5GPPP. **Type:** Research project. **Grant in EUR:** 424,533. **Role:** Research leader for mission critical communication. **Subject:** 5G Radio Interface. **Period:** 2015-2017.

16. *ID: PITN-GA-2013-607774.* **Title:** ADVANTAGE. **Funding source:** European Commission. **Type:** Marie Curie ITN. **Grant in EUR:** 615,909. **Role:** (Co-)supervisor of Ph. D. students. **Subject:** Smart Grid Communications. **Period:** 2014-2018.

17. *ID: GA No. 619437.* **Title:** SUNSEED. **Funding source:** European Commission. Type: STREP. **Grant in EUR:** 353,360. **Role:** Coordinating the Aalborg team. **Subject:** Smart Grid Communications. **Period:** 2014-2017.

18. *ID: 11-105159.* M2M communication. **Funding source:** Danish Independent Research Council (DFF), Technology and Production Sciences. (01/01/12 - 14/02/15) **Grant in EUR:** 1,006,579. **Role:** PI. **Type:** Sapere Aude DFF Starting Grant. **Name:** Dependable Wireless Bits for Machine-to-Machine (M2M) Communication (massM2M). **Subject:** To investigate the fundamental principles of communication system design that corresponds to the novel requirements posed by machine-to-machine communications.

19. ID: *GA No. 317669.* **Funding source:** *European Commission (EC).* (01/11/12 – 30/04/15) **Grant in EUR:** 525,087. **Role:** Research leader in 5G ultra-reliable communication. **Type:** FP7-ICT-2011-8 Collaborative project. **Name:** Mobile and wireless communications Enablers for Twenty-twenty (2020) Information Society (METIS). **Subject:** The project objective is to lay the foundation for a future mobile and wireless communications system for 2020 and beyond. Consortium of 29 partners coordinated by Ericsson.

20. _ID: 09-076198_. **Funding source:** Danish Agency for Science, Technology and Innovation, DASTI.

- **Grant in EUR:** 100,540 € (November 2012), 87,135 € (March 2010). **Role:** PI. **Type:** Proof-of-Concept. **Name:** Ultra Robust Wireless communication. **Subject:** Proof-of-Concept project for commercialization of the IPR "Methods and Systems for Communication Using Combinatorial Ordering of Users and Data Packets.

- _ID: 152-2012-6/HTF._ **Funding source:** Advanced Technology Foundation and Renesas Mobile (01/04/13 – 31/03/15)

- **Grant in EUR:** 255,557 €; **Role:** Main Supervisor. **Type:** Industrial postdoc with Renesas Mobile. **Name:** Optimized System-level Operation of 4G LTE Multiantenna Terminals. **Subject:** Investigation of advanced interference mitigation techniques and ARQ protocols for multiantenna terminals.

21. _ID: 11-101638_. **Funding source:** Danish Agency for Science, Technology and Innovation and Kamstrup A/S (15/10/11 – 14/10/14)

- **Grant in EUR:** 201,088 €; **Role:** Main Supervisor. **Type:** Industrial PhD with Kamstrup A/S. **Name:** Low power wireless networking with slow topology dynamics for smart metering infrastructure. **Subject:** Improving the reading reliability of wireless systems for heat and electricity metering.

22. _ID: 09-065035/FTP._ **Funding source**: Danish Independent Research Council (DFF), Technology and Production Sciences. (01/09/08 – 31/03/12)

- **Grant in EUR:** 393,432 €; **Young Elite Research Award:** 36,194 €. **Role:** PI. **Type:** research project. **Name:** Taming the Interference in Wireless Networks through Utilization of A Priori Information. **Subject:** Investigation of innovative techniques for interference management in wireless networks.

23. _ID: 09DEN-665._ **Funding source:** Agilent Technologies Foundation. (01/01/09 – 31/12/12)

- **Grant in EUR:** 11,212 €. **Role:** PI. **Type:** Research gift. **Name:** Investigation of the Relevant Interference Measurements for Cognitive Radio Systems. **Subject:** Measurement scenarios and interference modeling for the future cognitive radio systems in the 700 MHz band.

24. _ID: 09-076198._ **Funding source:** Danish Independent Research Council (DFF), Technology and Production Sciences. (01/10/11 – 30/09/14)

- **Grant in EUR:** 765,415 €. **Role:** Co-PI. **Type:** research project. **Name:** Cognitive Radio concepts for beyond-femtocells (CNR). **Subject:** Current femtocell solutions do not scale to very dense deployment. The hypothesis of the project is that cognitive femtocells in a license-exempt band, along with an optimized spectrum policy, provide an efficient long-term solution.

25. _ID: 11-106875/FTP._ **Funding source:** Danish Independent Research Council (DFF), Technology and Production Sciences. (01/04/12 – 31/07/15)

- **Grant in EUR:** 761,751 €. **Role:** Scientific advisor. **Type:** research project. **Name:** MIMO Wireless communications for closely spaced antennas. **Subject:** The purpose of this project is to study and understand the interrelationship among the handset antennas, the device metallic frame (handset chassis), the user and the far-field scattering channel.

26. Advanced techniques for error control coding in wireless communication systems. Research Grant from the Ministry of Science in Republic of Macedonia, (September 2000- September 2001). **Content:** Interleaver design for turbo codes. **Role:** Principal investigator

TEACHING EXPERIENCE

- Supervisor for the Elite program at Aalborg University, which selects the best students to follow a special research-oriented program.

- Supervision and co-supervision of Ph. D. projects at Aalborg University (2005-present)

- Courses and lectures at Aalborg University: (1) Wireless protocols, (2) Communication systems, (3) Wireless sensor networks (2005) (4) Radio Communication (2006-present) (5) Statistics (2007-present)

- Supervision of 50+ master projects at Aalborg University (2001-present)

- Supervision of 100+ semester student projects at Aalborg University (2001-present)

- Supervision of 15+ final diploma projects at the Faculty of Electrical Engineering in Macedonia

- Teaching of high-school courses in mathematics and basics of Information Technology
- Teaching assistant at the Faculty of Electrical Engineering in Macedonia. Courses: (1) Microwave Engineering, (2) Telecommunication Systems, (3) Radio Relay Systems, (4) Telecommunication Switching Systems, (5) Fiber-Optical Systems.

SUPERVISED AND CO-SUPERVISED PH. D. PROJECTS:

1. Tobias Kallehauge, "Statistical learning for ultra-reliable communication", 2020-now.
2. Pedro Maia de Sant Ana, "Machine learning for wireless industrial systems", collaboration with Bosch, Germany, 2019-now.
3. Josefine Holm, "Graph Signal Processing for IoT data", 2019-now.
4. Lam Duc Nguyen, "Blockchain and distributed ledgers in IoT systems", 2019-now.
5. Anders E. Kalør, "Wireless Systems with Low Latency", 2017-now.
6. René Brandborg Sørensen, "Wireless Systems for Massive IoT", 2016-2020, defended in 2020.
7. Alexandru Sabin Bana, "Ultra Reliable Low Latency Communications in MIMO systems", 2016-now.
8. Radoslaw Kotaba, "Ultra Reliable Low Latency Communications", 2016-now.
9. Pietro Danzi, "Communication Architectures for Reliable and Trusted Wireless Systems in Smart Grids", 2015-2019, defended in 2019.
10. Alex Oliveras Martinez, "Massive MIMO systems", 2014-2018, defended in March 2018.
11. Rongkuan Liu, "Buffer-Aided Relaying in Wireless Systems", a Ph.D. student from Harbin University, China visiting from September 2014-November 2016.
12. Pierre Vogler-Finck, "Modeling Energy Consumption and Designing Optimal Controller Low-Voltage Grid", 2014-2018, defended in May 2018.
13. Marko Angjelichinoski, "Bus Signaling Methods for Micro Grids", 2014-2017, defended in December 2017.
14. Kasper F. Trillingsgaard, "Feedback communication in the finite blocklength regime", 2013-2017, defended in September 2017.
15. Henning Thomsen, "Wireless Multi-way Relaying in Cellular Networks", defended in May 2016.
16. German Corrales Madueno, "Dependable Wireless Bits for Machine-to-Machine (M2M) Communication", defended in April 2015.
17. Huaping Liu, "Multi-way Relaying in Wireless Systems", a Ph.D. student from Peking University, China visiting from 2012-2013.
18. Rasmus Jacobsen, "Low power wireless networking with slow topology dynamics for smart metering infrastructure" (industrial PhD project with Kamstrup A/S), 2011-2014, terminated as the candidate started his own company.
19. Jesper Sørensen, "Joint Source/Network Coding Strategies in Wireless Networks", (co-supervised with Jan Østergaard), defended in October 2012.
20. Rasmus Krigslund, "Techniques for micro-localization in RFID networks", (co-supervised with Gert F. Pedersen), defended in August 2012.
21. Chan Dai Truyen Thai, Ph. D. work under the grant "Taming the Interference in Wireless Networks through Utilization of A Priori Information", defended in April 2012
22. Rocco Di Taranto, "Interference Management and Game Theoretic Analysis of Cognitive Radio", (co-supervised with Hiroyuki Yomo), defended in June 2010
23. Søren S. Christensen, "Precoding for the Multiple Input Multiple Output Broadcast Channel", (co-supervised with Elisabeth de Carvalho, Persefoni Kyritsi, and Peter Koch), defended in February 2008
24. Megumi Kaneko, "Wireless Multi–Carrier Systems: Resource Allocation, Scheduling and Relaying", defended in November 2007

SUPERVISED POSTDOCTORAL RESEARCHERS:

1. Cedomir Stefanovic
2. Nuno Pratas
3. Samat Shabdanov
4. Jesper H. Sørensen
5. Dong In Kim
6. Jihong Park
7. Israel Leyva-Mayorga
8. Federico Chiariotti
9. Jide Yuan
10. Pablo Ramirez Espinosa
11. Suraj Suman
12. Fabio Saggese

PROFESSIONAL SERVICE

- Vice-Chair, IEEE Communication Theory Technical Committee, 2021-.
- IEEE ComSoc Award Committee, 2021-.
- Steering committee member for IEEE Communication Theory Workshop, 2020-2021
- IEEE ICC 2020, Best Paper Award Committee.
- IEEE Communications Society Publication Council, 2020-
- Member-at-Large, Board Of Governors, IEEE Communications Society, 2019-.
- General chair, IEEE Communication Theory Workshop, 2019.
- General Chair, IEEE SmartGridComm, 2018.
- Area Editor in IEEE Transactions on Wireless Communications, 2016-present.
- Member of the board of IDA Tele, the telecommunication part of the Danish Engineering Society. (2015-2016).
- Steering committee member for the IEEE SmartGridComm conference;
- Steering committee member for the SNOW workshop;
- Steering committee member for the IEEE Internet of Things Journal (2014-2016);
- Steering committee member for the Nordic Workshop on System and Network Optimization for Wireless (SNOW), 2016-present;
- Chair of the IEEE ComSoc Emerging Technical Committee on Smart Grid Communications (2012-2014);
- Editor in:
  - o IEEE Transactions on Communications (2012-2016)
  - o Senior Editor in IEEE Communications Letters (2008-2013)
  - o IEEE JSAC Cognitive Radio Series (2012-2014)
  - o IEEE Transactions on Wireless Communications (2009-2012)
  - o Journal of Ad hoc and Sensors Wireless Networks (AHSWN) (2009-2012)
- Guest Editor:
  - o IEEE Journal of Selected Topics in Signal Processing Special Issue "Advanced Signal Processing for Local and Private 5G Networks", 2020
  - o IEEE Wireless Communications Magazine, special issue on "Massive Machine-Type Communications for IoT", 2020
  - o IEEE JSAC Special Issue "Ultra-Reliable Low-Latency Communications in Wireless Networks", 2019.

- o IEEE Open Journal of Vehicular Technology (OJVT), special issue on 6G, 2020
- o IEEE ACCESS SPECIAL SECTION: Physical and Medium Access Control Layer Advances in 5G Wireless Networks, 2018
- o IEEE Wireless Communications Special Issue on Smart Grids, 2016
- o Eurasip
- o JCN
- TPC chair and co-chair:
  - o IEEE ICC 2022
  - o ISWCS 2020, TPC Chair
  - o IEEE Globecom 2020 Workshops Co-Chair
  - o IEEE Communication Theory Workshop, 2018
  - o PHY Track co-chair, EuCNC 2018.
  - o IEEE CAMAD 2017
  - o BALKANCOM 2017
  - o Honorary Chair, SplitTech 2017
  - o Communication Theory Symposium at IEEE Globecom 2016.
  - o Tutorial co-chair ICT 2016, Greece, 2016
  - o Co-Chair of the Wireless Communications Symposium at IEEE/CIC ICCC 2014.
  - o Poster co-chair: IEEE Communication Theory Workshop 2014.
  - o TPC co-chair: IEEE SmartGridComm 2013.
  - o Symposium co-chair for IEEE SmartGridComm 2012.

- Ph. D. committee member:
  1. Apostolos Avranas, Telecom Paris, 2020.
  2. Kien Vu, University of Oulu, Finland, 2019.
  3. Roberto Valentini, University of L'Aquila, Italy, 2018.
  4. Guillermo Pocovi, Aalborg University, Denmark, 2017
  5. Federico Clazzer, University of Genoa, Italy, 2017
  6. Mislav Findrik, Aalborg University, Denmark, 2016
  7. Aleksandra Popovska, DTU, Denmark, 2016
  8. Zhe Ren, TU Berlin and BMW, Germany, 2015
  9. Iqbal Hussain, KTH, Sweden, 2014
  10. Laddu Keeth Saliya Jayasinghe, University of Oulu, Finland, 2014
  11. Onurcan Iscan, TU Munich, Germany, 2014
  12. Ali M. Fouladgar, NJIT, USA, 2014
  13. Michael Goller, TU Graz, Austria, 2013
  14. Kaijie Zhou, Eurecom, France, 2013
  15. Nicolas Schrammar, KTH, Sweden, 2013
  16. Katrin Sjoberg, Halmstad University, Sweden, 2013
  17. Pekka Janis, Aalto University, Finland, 2013
  18. Jinfeng Du, KTH, Sweden, 2012
  19. Gustavo Wagner O. Costa, Aalborg University, 2012
  20. Jesper Kjær Nielsen, Aalborg University, 2012
  21. Jawad Rasool, NTNU, Norway, 2012
  22. Mathieu David, Aalborg University, 2011
  23. Luis Garcia, Aalborg University, 2011
  24. Majid Khormuji, KTH, Sweden, 2011
  25. Cedomir Stefanovic, Univeristy of Novi Sad, Serbia, 2011
  26. Beatriz Soret, University of Malaga, Spain, 2010
  27. Andrea Munari, University of Padova, Italy, 2010
  28. Zoran Utkovski, University of Ulm, Germany, 2010

29. Yuangye Wang, Aalborg University, Denmark, 2010
30. Behrouz Maham, University of Oslo, Norway, 2010
31. Federico Librino, University of Padova, Italy, 2010
32. Raymond Louie, University of Sydney, Australia, 2010

- Academic committee evaluation member
    1. Dr. James Gross, KTH, Sweden, 2019.
    2. Dr. Toktam Mahmoodi, King's College, London, 2019.
    3. Dr. Dan Raphaeli, Tel Aviv University, Israel, 2019.
    4. Dr. Mehdi Bennis, Oulu University, Finland, 2015.
    5. Dr. Navid Nikaen, Eurecom, France, 2015.
    6. Dr. Ming Xiao, KTH, Sweden, 2013.

- Panel member:
    o ERC Proof-of-Concept, 2018, 2019
    o Vienna Science and Technology Fund (WWTF), 2019.
    o Panel member, Swedish Research Council, 2016, 2017, 2019-2021.
- Foreign committee member for the Best Paper Award in IEEE Sweden, 2013-2015
- Co-organizer of IEEE ICC workshop MASSAP 2014 (Massive Uncoordinated Access Protocols)
- Organizer of the IEEE European School of Information Theory 2013
- Technical program committee member in more than 50 conferences and workshops
- Secretary of the IEEE Denmark joint chapter on Vehicular Technology/Information Theory/Communications Society, (2005-2010)
- Expert for scientific evaluation in the European Research Council, National Research Council in Rome, Italy, Belgium, Qatar, Research Agency in France, Ireland.
- Reviewer of IST projects for the European Commission.

PERSONAL DATA

Date of birth: December 26, 1973
Nationality: Danish, Macedonian.
Family status: Married, two children.
Residence address: Sandtuevej 43, 9200 Aalborg SV, Denmark
Languages: Macedonian (native), English (fluent), Danish (fluent), fluent in South-slavic languages (Serbian, Croatian), Russian (reading), Italian (beginner)