



Born: [REDACTED] **Nationality:** [REDACTED]

H-index: 24 at Google Scholar, 18 at Scopus, 15 at WoS

Citations:

- 2,587 at Google Scholar (with self-citations),
- 1,524/1,368 at Scopus (with/without self-citations),
- 956/876 at Web of Science (with/without self-citations).

Contact: [REDACTED]

Qualification:

- 2016: Habilitation at BUT, Habilitation thesis: "Enabling Technologies and User Perception within Integrated 5G-IoT Ecosystem"
- 2007 – 2011: Doctoral program at Faculty of Electrical Engineering and Communication (FEEC), BUT, Ph.D. thesis: " New Methods of Quality of Service Assurance in Data Networks " Supervisor: doc. Ing. Karol Molnar, Ph.D.
- 2002 – 2007: Bachelor's and Master's program at BUT

Work experience:

- 2019 – present: Board chairman and supervisor of Master study program "Communications and Networking"
- 2018 – present: Deputy Vice-head for R&D and International Relations, Department of Telecommunications, FEEC, BUT
- 2016 – present: Board chairman and supervisor of Doctoral study program "Electronics and Information Technologies"
- 2016 – present: Associate professor at Brno University of Technology (BUT)
- 2013 – 2014: Visiting Postdocs researcher at Tampere University, Finland
- 2013 – present: Lead of Wireless System Laboratory of Brno (WISLAB), FEEC, BUT
- 2008 – 2015: Assistant professor at BUT

Research interests:

- wireless technologies,
- modern cellular systems 5G+,
- Internet of Things,
- QoS / QoE.

Scientific internships:

- Tampere University of Technology, Tampere, Finland, Visiting postdoctoral researcher (03 – 07/2013 + 10/2014)
- Bogazici University, Istanbul, Turkey, ERASMUS Staff Training Mobility Program (03/2014)
- New York University, New York, US, Visiting researcher (12/2016)
- Carleton University, Ottawa, Canada, Visiting researcher (04/2024)

Five selected publications since 2016:

1. ŠTŮSEK, M.; MOLTCHANOV, D.; MAŠEK, P.; MIKHAYLOV, K.; HOŠEK, J.; ANDREEV, S.; KUCHERYAVY, E.; KUSTAREV, P.; ZEMAN, O.; ROUBÍČEK, M. LPWAN Coverage Assessment Planning without Explicit Knowledge of Base Station Locations. IEEE Internet of Things Journal, 2022, vol. 9, no. 6, p. 4031-4050. ISSN: 2327-4662.
 - Impacted journal with IF = 10.238, Q1 in WoS. J. Hosek's role: contribution to the parts related to the design of LPWAN measurement campaign.

2. SAAFI, S.; FODOR, G.; HOŠEK, J.; ANDREEV, S. Cellular Connectivity and Wearable Technology Enablers for Industrial Mid-End Applications. IEEE COMMUNICATIONS MAGAZINE, 2021, vol. 59, no. 7, p. 1-7. ISSN: 0163-6804.
 - Impacted journal with IF = 9.03, Q1 in WoS. J. Hosek's role: contributions to the parts focused on design of the assessment methodology for the evaluation of communications requirements of industrial applications.
3. HOŠEK, J.; MAŠEK, P.; ANDREEV, S.; GALININA, O.; OMETOV, A.; KRÖPFL, F.; WIEDERMANN, W.; KOUCHERYAVY, Y. A SyMPHOnY of Integrated IoT Businesses: Closing the Gap between Availability and Adoption. IEEE COMMUNICATIONS MAGAZINE, 2017, vol. 56, no. 12, p. 1-9. ISSN: 0163-6804
 - Impacted journal with IF = 9.03, Q1 in WoS. J. Hosek's role: main author of the publication with highest contribution.
4. ANDREEV, S.; HOŠEK, J.; OLSSON, T.; JOHNSON, K.; PYATTAEV, A.; OMETOV, A.; OLSHANNIKOVA, E.; GERASIMENKO, M.; MAŠEK, P.; KOUCHERYAVY, Y.; MIKKONEN, T. A Unifying Perspective on Proximity-based Cellular- Assisted Mobile Social Networking. IEEE COMMUNICATIONS MAGAZINE, 2016, vol. 54, no. 4, p. 108-116. ISSN: 0163-6804.
 - Impacted journal with IF = 9.03, Q1 in WoS. J. Hosek's role: key authors with the contribution to parts focused on UX methodology design for the quality assessment in cellular networks.
5. MALINA, L.; HAJNÝ, J.; FUJDIAK, R.; HOŠEK, J. On Perspective of Security and Privacy-Preserving Solutions in the Internet of Things. Computer Networks, 2016, roč. 102, č. 2016, s. 83-95. ISSN: 1389-1286.
 - Impacted Journal with IF = 5,493, Q1 in WoS. J. Hosek's role: contribution to parts focused on definition of IoT applications requirements.

Scientific awards and recognition since 2016

- IEEE Communication Society (member 2014 – 2019, Senior member since 2020)

Academic membership since 2016

- Czechoslovakia Section IEEE, Local Chapter CAS/COM/SP – Secretary and treasurer (since 2015).
- International Congress on Ultra-modern Telecommunications and Control Systems (ICUMT) – General Chair.
- European Wireless 2024 (General Chair)
- Telecommunications and Signal Processing – TSP (Co-chair, since 2014)

Selected applied results, industrial collaboration since 2016:

- Industrial collaboration: A1 Telekom Austria Group, Vodafone Czech Republic.
- 1 patent, 2 prototypes, 1 functional sample, and 6 software (overall).

Received international projects since 2016

- H2020 Marie Skłodowska-Curie Innovative Training Network/European Joint Doctorate, A network for dynamic wearable applications with privacy constraints (A-WEAR, <https://projects.tuni.fi/a-wear/>) (PI).

Selected national projects:

- 2024-2026 – TAČR TREND, FW10010014, Novel AI-Driven Process Automation for Simplifying and Enhancing Telecommunication Processes (PI)
- 2022-2023 – MPO OP PIK APLIKACE IX, Platforms for control of autonomous robots for logistics using AI and 5G (PI)
- 2017-2018 – An Intelligent Voice-controlled Smart Home System – Case Study and Proof of Concept Demonstration (PI).
- 2016-2017 – TF02000036, New Methods for Optimization of Energy Efficiency and Scalability
- 2014 – 2015 – HS18457025: Development of Universal Smart Gateway for Home Automation
- 2013–2016 – CZ.1.05/2.1.00/03.0072: Research Centre of Sensor, Information and Communication Systems (SIX), (2013 – 2016)