CURRICULUM VITAE
Dr. Tech., Assistant Professor, Konstantin Mikhaylov

1. Full name and date

- Family name: Mikhaylov
- Given name: Konstantin
- ORCID: 0000-0002-5518-6629; ResearcherID: P-3525-2014
- Gender: male
- Date of CV: 21 September 2020

2. Education and degrees awarded

- **Doctor of Science in Technology (03.05.2018)**, University of Oulu, Oulu, Finland.
- **Master of Science in Engineering (03.06.2008)**, Radio physics Department, Saint-Petersburg State Polytechnical University, Saint-Petersburg, Russian Federation.
- **Bachelor of Science in Engineering (21.06.2006)**, Radio physics Department, Saint-Petersburg State Polytechnical University, Saint-Petersburg, Russian Federation.
  Major subject for all thee: communication engineering

3. Current position(s)

- **since 1.11.2019** – *Assistant Professor (Tenure track) for Convergent IoT Communications for Vertical Systems* at Centre for Wireless Communications Network Systems group (CWC-NS), Faculty of Information Technology and Electrical Engineering (ITEE), University of Oulu, Oulu, Finland
- **since 8.9.2016** – *Chief Technical Officer (CTO) and Co-Founder [part time]* at Solmu Technologies OY, Oulu, Finland. The company delivers high-end IoT solutions for various markets and verticals and provides consultancy services.

4. Previous work experience (full time positions)

- 1.6.2018-31.10.2019 – *Post-Doctoral Research Fellow* for Internet of Things (IoT) and wireless Machine-Type Communication (MTC) technologies CWC-NS, ITEE, University of Oulu, Oulu, Finland.
- 1.1.2014-30.5.2018 – *Doctoral Student* (IoT and wireless MTC technologies), CWC-NS, ITEE, University of Oulu, Oulu, Finland.
- 25.08.2008-31.12.2013 – *Project Engineer/Researcher* (Wireless Sensor Networks (WSN) and IoT) at RFMedia Laboratory (Oulu Southern Institute of the University of Oulu/Centria R&D of Central Ostrobothnia University of Applied Sciences), Ylivieska, Finland.
- 1.11.2006-15.08.2008 – *Project Engineer* (radio and embedded systems) at Federal State Unitary Enterprise Research-and-Production Association "Impulse" (Russian Federal Space Agency), St. Petersburg, Russian Federation

Adjunct positions and long-term international research visits:

- 1.12.2019-22.05.2020 – *Visiting Research Fellow (MTC & V2X)* with the University of Bologna, Italy. Wireless networking group lead by Prof. Roberto Verdone.
- 7.05.2019-10.11.2019 – *Visiting Post-Doctoral Research Fellow* for MTC at the Faculty of Electrical Engineering and Communication (FEKT), Brno University of Technology, Brno, Czech Republic. Assoc. Prof. Ji Hosek's group.
- 26.03.2019-06.05.2019 – *Visiting Researcher* (MTC) at King's College London, London, UK. Prof. Mischa Dohler's group.
- 15.09.2015-06.12.2015 – *Visiting Researcher* (ultrawideband radio technologies) at Yokohama National University, Yokohama, Japan. Prof. Ryuji Kohno's laboratory.

- 20.01.2013-23.03.2013 – *Visiting Researcher* (WSN) at Gwangju Institute of Science and Technology, Gwangju, Republic of Korea (i.e., South Korea). Prof. Kiseon Kim's laboratory.

5. Research funding and grants

As the (co-) principal investigator (PI) or similar: total funding acquired 252 500 EUR, ,e.g.

- 1.1.2018-31.12.2019 – Low Power Wide Area Network Evolution (LPWAN-Evolution) project, University of Oulu, *Principal Investigator* (Total budget: 200 000 EUR)
- 1.2.2017-30.9.2017 – Extending IoT signal coverage, Business Finland (HILLA programme), *Principal Investigator* (Total budget: 30 000 EUR)

As the work package (WP) leader or similar: total funding acquired over 1 000 000 EUR, ,e.g.

- 1.5.2020-31.04.2021 – Industrial Machine Monitoring Unplugged Network (IMMUNet), COST Innovator Grant IG15104, *CIG Team Member* (Total budget: 84 134 EUR)
- Wireless Networking Laboratory (WNL), University of Oulu, *WSN WP leader* (Total budget: 200 000 EUR, PI Prof. Jari Iinatti, University of Oulu)

Personal grants: Nokia Foundation (2x5000 EUR), Sähköinsinööriliiton Säätiö (2000 EUR)

6. Research supervision and teaching merits

- Pedagogical training: "Pedagogy and psychology", "University pedagogy" courses
- Assistant Teacher at Ubiquitous Summer School 2019 to Prof. Roberto Verdone
- Co-supervisor/examiner of theses: 9 M.Sc. and 2 B.Sc. students

7. Awards, prizes, and honors

- **most publishing researcher** of the CWC-NS unit of the University of Oulu in 2018 & 2017
- **best demo award** at SmartCom'2016 & best **paper award** at IEEE CogInfoCom'2014.

8. Other academic merits

- **Senior Member of IEEE** and IEEE Communications Society
- Guest editor of the special issues (Green IoT & Smart City IoT) of Sensor J. (2018 & 2020)
- Reviewer (referee) in IEEE, Elsevier, Springer, Wiley and MDPI journals, e.g.: *IEEE Wireless Commun. Let., IEEE Commun. Mag., IEEE Commun. Let., IEEE IoT J., IEEE Sensors, J. Systems & Software, IEEE Access, IEEE Trans. Comput., IEEE Trans. Netw. Service Manag.*
- Publicity Chair of Sustainable networking through Machine Learning and Internet of thINGs (SMILING) workshop (in conjunction with IEEE Infocom 2019)
- General Co-chair of International Workshop on Reliable and Secure Internet-of-Things and Wearables (WeaRIoT) in 2019-2020.
- Served as session chair/TPC member, e.g., at: *IEEE Globecom, IEEE ICC, IEEE PIMRC, IEEE WCNC, ITST, WF-IoT, IEEE AINA, ICUMT, EuCNC…*

9. The scientific and societal impact of research

- The total number of publications – **92**, of which:
  o <u>A1</u>: 20 peer-reviewed research papers in internationally recognized journals (2012-2020)
  o <u>A3</u>: 4 book chapters (2012, 2019-2020)
  o <u>A4</u>: 55 peer-reviewed research papers in high-level international conferences (2010-2020)
- h-index: 19 (Google Scholar), 15 (Scopus)
- Total number of citations: 2160 (Google Scholar), 1169 (Scopus)
- Citations to the most cited paper: 432 (Google Scholar), 247 (Scopus)
- Five (5) invention disclosures (<u>H2</u>)