



Curriculum Vitae

Personal information

Name & Surname Juraj Machaj
Department: Department of Multimedia and Information-Communication Technology
Research group: Wireless communication and localization
Research group web-page:
Research rank R3 – established researcher
Scientific identifiers
ORCID: 0000-0002-7544-8796 **WoS ID:** B-9252-2013 **Scopus ID:** 6506458984

Education

05/2021 Associate Professor, Faculty of Electrical Engineering and Information Technology, University of Zilina, Slovakia
08/2012 PhD., Faculty of Electrical Engineering and Information Technology, University of Zilina, Slovakia
05/2009 MSc., Faculty of Electrical Engineering and Information Technology, University of Zilina, Slovakia

Current position

09/2021 – to date Associate Professor, Vice-head of the Department of Multimedia and Information-Communication Technology, Faculty of Electrical Engineering and Information Technology, University of Zilina, Slovakia

Previous positions

10/2012 – 09/2021 Researcher, Faculty of Electrical Engineering and Information Technology, University of Zilina, Slovakia

Scholarships

08/2019 – 10/2019 Tongji University, China, MSCA RISE H2020 6260922
08/2017 – 10/2017 University of Sydney, Australia, MSCA RISE H2020 6260922
01/2011 – 04/2011 Tampere University of Technology, Finland, ERASMUS mobility

Awards

12/2018 Researcher of the University of Zilina under 35 in 2018, Slovakia

Students & post-docs supervisions

No. MSc. students
25

No. PhD. students
1

No. Post-docs
0

Organization of scientific meetings & conferences

2026 12th International Conference on Vehicle Technology and Intelligent Transport Systems, VEHITS 2026, Banidorm, Spain

- 2025 11th International Conference on Vehicle Technology and Intelligent Transport Systems, VEHITS 2025, Porto, Portugal
- 2025 17th International Conference on Computational Collective Intelligence ICCCI 2025, Ho Chi Minh City, Vietnam
- 2025 2nd International Conference on Intelligent Digitization of Systems and Services, IDSS2025, Valencia, Spain
- 2025 35th International conference RADIOELEKTRONIKA 2025, Hnanice, Czech republic
- 2025 The 7th International Conference on Cloud Computing and Artificial Intelligence: Technologies and Applications, CloudTech'25, Rabat, Morocco .
- 2025 The Twenty-First Advanced International Conference on Telecommunications AICT 2025, Valencia, Spain
- 2024 10th International Conference on Vehicle Technology and Intelligent Transport Systems, VEHITS2024, Angers, France
- 2024 16th International Conference on Computational Collective Intelligence, ICCCI 2024, Leipzig, Germany
- 2024 17th International Conference on New Trends in Signal Processing, NTSP 2024, Demanovska dolina, Slovakia.
- 2024 34th International conference RADIOELEKTRONIKA 2024, Zilina, Slovakia
- 2024 47th International Conference on Telecommunications and Signal Processing, TSP 2024, Virtual Conference
- 2024 The Twentieth Advanced International Conference on Telecommunications, AICT 2024, Venice, Italy
- 2023 15th International Conference on Computational Collective Intelligence, ICCCI 2023, Budapest, Hungary
- 2023 46th International Conference on Telecommunications and Signal Processing, TSP 2023, Virtual Conference
- 2023 6th IEEE International Conference on Cloud Computing and Artificial Intelligence: Technologies and Applications, IEEE CloudTech'23, Marrakesh, Morocco
- 2023 The Nineteenth Advanced International Conference on Telecommunications, AICT 2023, Nice, Saint-Laurent-du-Var, France
- 2022 14th International Conference on Computational Collective Intelligence, ICCCI 2022 Hammamet, Tunisia
- 2022 16th International Conference on New Trends in Signal Processing, NTSP 2022, Demanovska dolina, Slovakia.
- 2022 45th International Conference on Telecommunications and Signal Processing, TSP 2022, Virtual Conference
- 2022 The Eighteenth Advanced International Conference on Telecommunications, AICT 2022, Porto, Portugal
- 2021 13th International Conference on Computational Collective Intelligence, ICCCI 2021, Rhodes, Greece
- 2021 44th International Conference on Telecommunications and Signal Processing, TSP 2021, Virtual Conference
- 2021 The Seventeenth Advanced International Conference on Telecommunications, AICT 2021, Valencia, Spain
- 2020 11th International Conference on Information and Communication Systems, ICICS 2020 Jordan University of Science and Technology, Irbid, Jordan
- 2020 12th International Conference on Computational Collective Intelligence Technologies and Applications, ICCCI 2020, Da Nang, Vietnam
- 2020 15th International Conference on New Trends in Signal Processing, NTSP 2020, Demanovska dolina, Slovakia.
- 2020 43rd International Conference on Telecommunications and Signal Processing, TSP2020, Milan, Italy.

- 2020 5th International Conference on Cloud Computing and Artificial Intelligence: Technologies and Applications, Marrakesh, Morocco
- 2020 The 5th International Conference on Cloud Computing and Artificial Intelligence: Technologies and Applications, CloudTech'20 , Marrakesh, Morocco
- 2020 The Sixteenth Advanced International Conference on Telecommunications, AICT 2020, Rome, Italy
- 2019 10th International Conference on Information and Communication Systems, ICICS 2019, Jordan University of Science and Technology, Irbid, Jordan
- 2019 11th International Conference on Computational Collective Intelligence Technologies and Applications, ICCCI 2019, Hendaye, France
- 2019 42nd International Conference on Telecommunications and Signal Processing, TSP2019, Budapest, Hungary
- 2019 The Fifteenth Advanced International Conference on Telecommunications, AICT 2019, Nice, France
- 2018 10th International Conference on Computational Collective Intelligence Technologies and Applications, ICCCI 2018, Bristol, UK
- 2018 14th International Conference on New Trends in Signal Processing, NTSP 2018, October 10-14, 2018, Demanovska dolina, Slovakia
- 2018 41st International Conference on Telecommunications and Signal Processing, TSP2018 , Athens, Greece.
- 2018 9th International Conference on Information and Communication Systems, ICICS 2018, Jordan University of Science and Technology, Irbid, Jordan
- 2018 The 4th International Conference on Cloud Computing Technologies and Applications, CloudTech'18, Brussels, Belgium
- 2018 The Fourteenth Advanced International Conference on Telecommunications, AICT 2018, Barcelona, Spain
- 2017 40th International Conference on Telecommunications and Signal Processing, TSP2017, Barcelona, Spain.
- 2017 8th International Conference on Information and Communication Systems, ICICS 2017 Jordan University of Science and Technology, Irbid, Jordan
- 2017 9th Asian Conference on Intelligent Information and Database Systems, Special Session on IT in Biomedicine, ITiB 2017, Kanazawa, Japan
- 2017 9th International Conference on Computational Collective Intelligence, ICCCI 2017, Nicosia, Cyprus
- 2017 The 3rd International Conference on Cloud Computing Technologies and Applications, CloudTech'17, Rabat-Morocco
- 2017 The Thirteenth Advanced International Conference on Telecommunications, AICT 2017, Venice, Italy
- 2016 39th International Conference on Telecommunications and Signal Processing, TSP2016, Vienna, Austria.
- 2016 8th International Conference on Computational Collective Intelligence, ICCCI 2016 Halkidiki, Greece, 28th-30th September 2016
- 2016 The Twelfth Advanced International Conference on Telecommunications, AICT2016, Valencia, Spain.
- 2015 38th International Conference on Telecommunications and Signal Processing, TSP2015, Prague, Czech Republic.
- 2015 7th Asian Conference on Intelligent Information and Database Systems, Special Session on Cloud-Based Solutions, CBS 2015, Bali, Indonesia

2015	7th International Conference on Computational Collective Intelligence, Special Session on Advanced Networking and Security Technologies, ICCCI 2015, Madrid, Spain
2015	Evaluating AAL Systems through Competitive Benchmarking, EvAAL competition 2015
2015	The Eleventh Advanced International Conference on Telecommunications, AICT2015, Brussels, Belgium
2014	37th International Conference on Telecommunications and Signal Processing, TSP2014, Berlin, Germany.
2014	The Tenth Advanced International Conference on Telecommunications, AICT2014, Paris, France
2013	The Ninth Advanced International Conference on Telecommunications, AICT2013, Rome, Italy

Institutional responsibilities

10/2021 – ongoing	Co-guarantor of the bachelor's study program, Faculty of Electrical Engineering and Information Technology, University of Zilina, Zilina, Slovakia
10/2021 – ongoing	Co-guarantor of the master's study program, Faculty of Electrical Engineering and Information Technology, University of Zilina, Zilina, Slovakia
10/2021 – ongoing	Co-guarantor of the PhD. study program, Faculty of Electrical Engineering and Information Technology, University of Zilina, Zilina, Slovakia

Editorial and reviewing activities

Lead journal editor	Member of editorial board of journal	No. journal reviews
-	4	208

Principal investigator projects

Project name	Funding agency
Horizon2020 g.a. No 734331 Sensors and intelligence in built environments	Horizon 2020, MSCA-RISE-2016 Research and Innovation Staff Exchange programme (principal investigator at UNIZA)

Scientific collaborations

- 1 – University of Sannio, Benevento, Italy
Topic/Area: radio communications, signal processing
- 2 – University of Riga, Riga, Latvia
Topic/Area: resilience of critical infrastructure
- 3 – University of Novi Sad, Novi Sad, Serbia
Topic/Area: wireless communication systems
- 4 – Polytechnical University of Catalunya, Barcelona, Spain
Topic/Area: energy-efficient IoT communication

Publications

	No. journal publications				No. conference publications	
<i>Q1</i>	<i>Q2</i>	<i>Q3</i>	<i>Q4</i>	<i>No-Q</i>	<i>Invited/Keynote</i>	<i>Contributed</i>
3	9	6	3	4	1	41