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Dr. Marko Horvat is an Assistant Professor at the Department of Applied Computing, Faculty of Electrical Engineering and Computing (UNIZG-FER), University of Zagreb, Zagreb, Croatia.

He holds a Diploma (1999), M.Sc. (2007), and Ph.D. (2013) degrees in computer science from UNIZG-FER. He was a Doctoral Student and subsequently a Postgraduate Researcher at UNIZG-FER (2008 – 2014). He was elected to the research rank Research Associate (2014) and Senior Research Associate (2021), both in computer science.

He is an external Associate Professor at the University of Zadar, Zadar, Croatia (2018 –). In addition, employed as a Lecturer in Computer Science (2014 – 2018), Senior Lecturer (2018 – 2020), and Vice-Dean for Science, International Cooperation, and New Study Programs at the Zagreb University of Applied Sciences (TVZ), Zagreb, Croatia (2018 – 2020). At TVZ successfully founded Artificial Intelligence Laboratory (AI Lab), which he led (2016 – 2020) and introduced new courses in AI. Also, he was the Director of the Undergraduate Professional Study Program in Computing at TVZ (2015 – 2019).

Marko Horvat is President of the Scientific Council of the Croatian Mine Action Center – Testing Center for Development and Training d.o.o. (2022 –) and a Member (2017 –). Co-Chair of Technology Management chapter (TEMS) in IEEE Croatia Section (2019 –). Previously Member of Thematic Innovation Council for Health and Quality of Life of the Republic of Croatia (2018 – 2020) and Chair of Technology Management chapter (TEMS) in IEEE Croatia Section (2016 – 2019). Before fully joining academia, he was employed with domestic and foreign ICT sector companies as a Software Engineer (1999 – 2007), Project Manager (2001 – 2007), and finally, IT Department Manager (2007 – 2008). In the ICT industry, he gained progressive experience in leadership and management, as well as the organization and development of many complex enterprise-level core business, Enterprise Resource Planning, and Business Intelligence systems.

He participated in several national and EU-funded scientific projects as a researcher or project leader. He also participated in many national development projects with industry and government.

He taught numerous university courses at Undergraduate and Master levels. In addition, he supervised over 60 B.Sc. and M.Eng. dissertations in informatics, computer science, and artificial intelligence.

Published more than 80 manuscripts and textbooks in books, journals, conferences, and workshops. Reviewer for many respected journals and international conferences, as well as study programs and project proposals for foreign science foundations. He gave several invited and public lectures. He is actively engaged in the popularization of science and STEM.

IEEE Senior Member (2019 –), IEEE Member (2002 –). Member of Croatian Astronomical Society (2009 –). Also, a current member of the IEEE Computational Intelligence Society, IEEE Geoscience and Remote Sensing Society, IEEE Technology and Engineering Management Society, and IEEE Big Data Community.

His professional interests are focused on applied artificial intelligence research, in particular linked data, knowledge graphs and ontologies, knowledge representation methods, automated reasoning services, machine learning and information retrieval, affective computing, and the semantic web.