



DUBRAVKO MAJETIĆ

- Date of birth: 14 June 1962
- Place of birth: Zagreb

FACULTY OF MECHANICAL ENGINEERING AND NAVAL ARCHITECTURE IN ZAGREB

- Employed from 1988 to date
- In 2015, he was elected to the scientific-teaching position with the title of full professor in a permanent position (technical sciences, field of mechanical engineering)

FUNDAMENTAL EDUCATION

- 1996 Doctor of Science, Technical Sciences, Mechanical Engineering, Faculty of Mechanical Engineering and Naval Architecture, University of Zagreb
- 1992 Master of Science, Technical Sciences, Mechanical Engineering, Faculty of Mechanical Engineering and Naval Architecture, University of Zagreb
- 1988 Graduated in Mechanical Engineering, Faculty of Mechanical Engineering and Naval Architecture, University of Zagreb

Prof.

DUBRAVKO MAJETIĆ

Vice-rector for Science, Research and Postgraduate Studies

Dubravko Majetić was born in Zagreb on 14 June 1962. He is of Croatian nationality and citizenship. He is a married father of two children, Lorena and Dominik. He graduated from primary school in Zagreb. He graduated from the "Ruđer Bošković" technical school as the best student of his year. He subsequently enrolled in the undergraduate study of Mechanical Engineering at the Faculty of Mechanical Engineering and Naval Architecture of the University of Zagreb (FSB). He graduated in 1988 with the subject "Testing the working properties of robots".

From 15 April 1988, he was employed as an intern at the Faculty of Mechanical Engineering and Naval Architecture of the University of Zagreb, in the Department of Automation and Measuring Technology (presently, the Department of Robotics and Production System Automation). He was elected to the title of researcher-associate on 19 November 1988, expert associate on 13 March 1989, and associate title of assistant on 8 November 1989. He was entered into the register of researchers on 7 February 1989.

He defended his doctoral thesis entitled "Identification of nonlinear systems with a dynamic neural network" at the Faculty of Mechanical Engineering and Naval Architecture of the University of Zagreb on 22 February 1996. He earned the academic title of Doctor of Science in the field of technical sciences, the scientific field of mechanical engineering. On 14 October 1996, he was elected to the associate title of senior assistant.

In the Department of Robotics and Production System Automation of the Faculty of Mechanical Engineering and Naval Architecture, he was elected assistant professor on 10 May 2000, associate professor on 21 February 2005, full professor on 16 March 2010, and full professor in a permanent position on 14 July 2015.

He served as the head of the Automation and Robotics laboratory for two terms, from 2004 to 2008. During that period, the Department financed the creation of three mobile robots for the needs of the mobile robotics course. From 2007 to 2014, he headed the Robotics and Automation course in the post-graduate doctoral study. From 2008 to 2012, he served as a member of the Central Committee for final and diploma exams. From 2009 to 2012, he was the president of the Committee for the final theses of the undergraduate study in the field of Production Engineering.

He held the position of head of the Chair of Control Systems for two terms from 2010 to 2014. From 2012 to 2014, he chaired the Committee for Postgraduate Studies of the FSB and coordinated the Committee's working group that created the new postgraduate doctoral study entitled Mechanical Engineering, Naval Architecture, Aeronautical Engineering, Metallurgy. The doctoral study has been conducted since the academic year 2014/2015, and the number of doctoral students has increased by 2.5 times compared to the old course.

From 2012 to 2018, he was a member of the Committee for Doctoral Theses of the Council of the Technical Area of the University of Zagreb. From 2015 to 2018, he served as the president of the same committee. From 2014 to 2018, he was the vice dean for scientific research and economic cooperation for two terms. He served as dean of the Faculty of Mechanical Engineering and Naval Architecture of the University of Zagreb for two terms, from 2018 to 2022.

He was a member of the Senate of the University of Zagreb from the academic year 2014/2015 to 2021/2022. During the same period, he was a member of the Council of the Technical Area of the University of Zagreb. From the academic year 2020/2021 until 2021/2022, he was the representative of the Technical Area Council in the Rector's College in a wider composition.

From 1993 to 2001, he was the editor-in-chief of the commercial vehicles section of the professional magazine "Automania". Moreover, as one of the first specialised commercial vehicles journalists in Croatia, he published professional articles and his experiences from testing the latest commercial vehicles. In 2002, he became the editor of tests for commercial vehicles in the professional magazine "Kamion&Bus", where he published professional articles and test results of vans and trucks. In 2007, he became a permanent member of the "International Truck of the Year Jury", which comprises one representative from 25 European countries. As a jury member, he visited the production facilities and development centres of the largest European manufacturers of trucks, buses, and vans. In addition, he had the opportunity to share his experiences with his students and organise field classes for students majoring in Production Engineering.

Regarding scientific work, he has been a member of the Program Committee of DAAAM International since 2006; and of the international scientific committee and the review committee of the CIM conference, which focuses on production technologies, since 2007; and

of the professional magazine, "ITR 3000", since 2008. In 2009, he became a member of the programme committee of the "Management of Technology Step to the Sustainable Production" (MOTSP) conference. He is also an editorial board member of the magazine "Transaction of FAMENA" of the Faculty of Mechanical Engineering and Naval Architecture of the University of Zagreb. He regularly collaborates with the foreign editors of renowned foreign magazines and scientific conferences for which he reviews papers. He also held several invited lectures and co-authored a technical project report at the Massachusetts Institute of Technology in Cambridge, USA.

He is the supervisor/co-supervisor of four courses at the undergraduate study of Mechanical Engineering; six courses at the graduate study of Mechanical Engineering, Mechatronics and Robotics, Industrial Engineering and Management, Materials Engineering and Aeronautical Engineering; and three courses at the postgraduate doctoral study entitled Mechanical Engineering, Naval Architecture, Aeronautical Engineering, Metallurgical Engineering. He was also in charge of one course each for the undergraduate study of physics at the Faculty of Science and Mathematics and the Faculty of Agriculture, respectively, at the University of Zagreb. He also conducted one course in professional studies at the Zagreb University of Applied Sciences.

He is a supervisor of five diploma theses at the Technical University in Zagreb, 56 defended finally and master's (diploma) theses and one PhD thesis. As president or member, he participated in the work of four committees for the defence of scientific master's theses and eight committees for the defence of doctorates.

The applicant's scientific interest relates to the field of automatic regulation focusing on the control of machine tools and robotics. He is particularly interested in artificial intelligence, where he focuses on the modelling and use of artificial neural networks. Until now, he was the head of two scientific projects in the Ministry of Science and Education. He was a collaborator on two technological projects and four scientific projects financed by the Ministry of Science and Education. He is also a collaborator on two ongoing IRI projects funded by the European Union.

He participated in 15 and 60 or more reports or poster presentations at domestic scientific meetings and international scientific conferences, respectively. He published 19 scientific papers in scientific journals as an author or co-author. He has authored four chapters in scientific books, participated as author or co-author in four editorial books, and has reviewed one university textbook.

He won the "Best Paper Award" at the DAAAM International Symposium "Intelligent Manufacturing & Automation: Focus on Reconstruction and Development", held in Sarajevo, Bosnia, and Herzegovina, in 2003. He is also the winner of the "Josip Juraj Strossmayer '99" award for the most successful scientific work in the field of technical sciences, published in Croatia in 1998. The article is as follows: "Branko Novaković, Dubravko Majetić, Mladen Široki, Artificial Neural Networks, university textbook, University of Zagreb, Faculty of Mechanical Engineering and Naval Architecture Zagreb, ISBN 953-6313-17-0, Zagreb, 1998".

Languages: English – active in reading, writing, and speaking.

WORK EXPERIENCE IN MANAGEMENT

2021 –	Member of the Executive Board of the Croatian Association of Innovators
2018 – 2022	Dean of the Faculty of Mechanical Engineering and Naval Architecture, University of Zagreb
2015 – 2018	President of the Committee for Doctoral Theses of the Council of the Technical Area of the University of Zagreb
2014 – 2018	Vice-dean for scientific research and economic cooperation of the Faculty of Mechanical Engineering and Naval Architecture, University of Zagreb
2012 – 2014	Coordinator of the working group of the Committee for Postgraduate Studies, which created the new postgraduate doctoral study entitled Mechanical Engineering, Naval Architecture, Aeronautical Engineering, Metallurgical Engineering
2012 – 2014	Chairman of the Committee for Postgraduate Studies of the Faculty of Mechanical Engineering and Naval Architecture, University of Zagreb
2012 – 2014	Head the Chair of Control Systems
2009 – 2011	Editor of the journal "Mechanical Engineering"
2009 – 2012	President of the Committee for the final theses of the undergraduate studies in the field of Production Engineering
2007 – 2014	Head of the Robotics and Automation course in postgraduate doctoral study
2004 – 2008	Head of Laboratory for Mechanical Automation
2002 –	Editor of tests for commercial vehicles in the professional magazine, "Kamion&Bus".
1993 – 2001	Editor of the commercial vehicles section of the professional magazine "Automania"

WORK EXPERIENCE RELATED TO THE UNIVERSITY

2020 – 2022	Council Representative of the Technical Area of the University of Zagreb, in the Rector's College in a wider composition
2015 – 2018	President of the Committee for Doctoral Theses of the Council of the Technical Area of the University of Zagreb
2014 – 2022	Member of the Senate of the University of Zagreb
2014 – 2022	Member of the Council of the Technical Area of the University of Zagreb
2012 – 2018	Member of the Committee for Doctoral Theses of the Council of the Technical Area of the University of Zagreb