

## PERSONAL INFORMATION

## Mario Miličević



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Sex Male | Date of birth 22/04/1961 | Nationality Croatian

## CURRENT POSITION

Associate professor, Department of Electrical Engineering and Computing, University of Dubrovnik, Dubrovnik, Croatia

## WORK EXPERIENCE

## 2017- Associate professor, Department of Electrical Engineering and Computing

University of Dubrovnik, Dubrovnik, Croatia

- Head of the department (2019-)
- Design and teaching of computer science courses at the undergraduate and graduate studies
- Research in the field of computer science, especially technology machine learning applications

Research and education

## 2009-2017 Assistant Professor, Department of Electrical Engineering and Computing

University of Dubrovnik, Dubrovnik, Croatia

- Design and teaching of computer science courses at the undergraduate and graduate studies
- Research in the field of computer science, especially technology machine learning applications

Research and education

## 2004-2009 Senior Lecturer, Department of Electrical Engineering and Computing

University of Dubrovnik, Dubrovnik, Croatia

- Teaching of computer science courses at the undergraduate and graduate studies
- Research in the field of computer science

Research and education

## 2000-2004 Lecturer, Department of Electrical Engineering and Computing

University of Dubrovnik, Dubrovnik, Croatia

- Teaching of computer science courses at the undergraduate and graduate studies

Research and education

## 1984-2000 System Administrator, Project Manager

Medical center Dubrovnik, DERC Dubrovnik, ABC Informatik d.o.o. - Dubrovnik, Croatia

Software development

## EDUCATION AND TRAINING

- 2004-2008 **PhD in Computer Science**  
University of Zagreb, Faculty of Electrical Engineering and Computing, Croatia
- 2000-2004 **MSc in Computer Science**  
University of Zagreb, Faculty of Electrical Engineering and Computing, Croatia
- 1979-1983 **BSc in Electrical Engineering**  
University of Zagreb, Faculty of Electrical Engineering and Computing, Croatia

## PERSONAL SKILLS

Mother tongue(s) Croatian

Other language(s)	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C1	C1	C1	C1

Levels: A1/2: Basic user - B1/2: Independent user - C1/2 Proficient user  
Common European Framework of Reference for Languages

- Communication skills
- good communication skills gained through teaching, professional and scientific activities, work with students
  - collaborative behaviour and participation in team work through project activities and management of team members
- Other skills
- photography - FIAP distinction: EFIAP (Excellence FIAP)
- Driving licence
- B

## ADDITIONAL INFORMATION

- Selected publications
- Milicevic, M., Zubrinic, K., Grbavac, I. and Obradovic, I., 2020. Application of Deep Learning Architectures for Accurate Detection of Olive Tree Flowering Phenophase. *Remote Sensing*, 12(13), p.2120.
  - Milicevic, M., Zubrinic, K., Grbavac, I. and Keselj, A., 2019, June. Ensemble Transfer Learning Framework for Vessel Size Estimation from 2D Images. In *International Work-Conference on Artificial Neural Networks* (pp. 258-269). Springer, Cham.
  - Cic, M., Milicevic, M. and Mazic, I., 2019. Optimal set of EEG features in infant sleep stage classification. *Turkish Journal of Electrical Engineering & Computer Sciences*, 27(1), pp.605-614.
  - Milicevic, M., Obradovic, I., Zubrinic, K. and Sjekavica, T., 2018. Data augmentation and transfer learning for limited dataset ship classification. *Wseas Trans. Syst. Control*, 13, pp.460-465.
  - Mirovic, M., Milicevic, M. and Obradovic, I., 2018. Big data in the maritime industry. *Nase more*, 65(1), pp.56-62.
  - Milicevic, M., Zubrinic, K., Obradovic, I. and Sjekavica, T., 2018, September. Application of Transfer Learning for Fine-Grained Vessel Classification Using a Limited Dataset. In *International Conference on Applied Physics, System Science and Computers* (pp. 125-131). Springer, Cham.
  - Milicevic, M., Mazic, I. and Bonkovic, M., 2016. Asthmatic Wheezes Detection-What Contributes the Most to the Role of MFCC in Classifiers Accuracy?. *International Journal of Biology and Biomedical Engineering*, 10, pp.176-182.
  - Milicevic, M., Baranovic, M. and Zubrinic, K., 2015. Application of machine learning algorithms for the query performance prediction. *Adv Electr Comput Eng*, 15(3), pp.33-44.
  - Obradovic, I., Milicevic, M. and Zubrinic, K., 2014. Machine Learning Approaches to Maritime Anomaly Detection. *Nase more*, 62(5/6), p.96.
  - Zubrinic, K., Kalpic, D. and Milicevic, M., 2012. The automatic creation of concept maps from documents written using morphologically rich languages. *Expert systems with applications*, 39(16), pp.12709-12718.

## Projects

- 2019-2022 DigIT - Implementation of the Croatian Qualifications Framework, UP.03.1.1.03, European Social Fund, researcher
- 2019-2021 European Conferences on Networks and Communications (EuCNC) - EuConNeCts4, H2020, Grant agreement ID: 856641, researcher
- 2018-2019 Techno-Past Techno-Future; European Researchers' Night, H2020, Grant agreement ID: 818748, researcher
- 2014-2017 EuRoC Challenge 3 competition, European Robotic Challenge - FP7 no.608849, researcher
- 2014-2015 Application of machine learning and data mining, University of Dubrovnik, principal investigator
- 2013-2015 Asthma alarm attack, Business Innovation Croatian Agency (BICRO), researcher
- 2010-2013 Semantic integration of heterogeneous data sources, Croatian Ministry of Science, Education and Sports, researcher
- 2008-2012 Integrated quality of service of communication and information systems, Croatian Ministry of Science, Education and Sports, researcher

## Researcher's profiles

- Google Scholar: [https://scholar.google.hr/citations?hl=en&user=a\\_rtAWcAAAAJ](https://scholar.google.hr/citations?hl=en&user=a_rtAWcAAAAJ)
- ResearchGate: [https://www.researchgate.net/profile/Mario\\_Milicevic](https://www.researchgate.net/profile/Mario_Milicevic)
- ORCID: <https://orcid.org/0000-0002-8877-4689>
- CROSB: [https://www.bib.irb.hr/pretraga/?operators=and|Milicevic,Mario\(23107\)|text|profile](https://www.bib.irb.hr/pretraga/?operators=and|Milicevic,Mario(23107)|text|profile)
- Web of Science: [https://app.webofknowledge.com/author/record/28051288,41095187?lang=en\\_US](https://app.webofknowledge.com/author/record/28051288,41095187?lang=en_US)
- Scopus: <https://www2.scopus.com/authid/detail.uri?authorId=8657285100>
- Publons: <https://publons.com/researcher/2941997/mario-milicevic/>

## Memberships in professional association

- IEEE