

Umberto Michieli

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🌐 Umberto Michieli
📅 Date of birth: 28/11/1994



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Education

- 2018–present **Ph.D. in Information Engineering, University of Padova.**
Research topic: "Knowledge Transfer Techniques for Semantic Segmentation".
Supervisor: Pietro Zanuttigh.
- feb – jul 2018 **Visiting researcher at Technische Universität Dresden with Erasmus programme.**
Implementation of link prediction algorithms on real and synthetic complex networks.
Supervisor: Carlo Vittorio Cannistraci
- 2016–2018 **Master of Science in Telecommunication Engineering, University of Padova, 110/110 Summa cum Laude.**
Thesis: "Link Prediction on Real and Synthetic Complex Networks"
- 2013–2016 **Bachelor of Science in Information Engineering, University of Padova, 110/110 Summa cum Laude.**
Thesis: "Correlation and Coherence Analysis between EEG and EMG Signals".
- 2008–2013 **High School Diploma, Liceo Scientifico Giorgione, Castelfranco Veneto.**

Fellowships

- aug 2018 **Awarded fellowship from the organizers of CMMRS 2018.**
- jun 2018 **Fellowship by Technische Universität Dresden to attend NetSci 2018.**
- 2018 **Scholarship grant "Mille e una lode" for merit by University of Padova.**

Languages

- Italian **Mother Tongue**
- English **C1 level (Advanced user)**
- Spanish **A2 level (Basic user)**

Others

- 2019-20 M.Sc. students co-advised: Matteo Biasetton, Marco Toldo, Andrea Maracani, Mazen Mel, Luca Rossi, Davide Boem, Teo Spadotto
- 2019-20 B.Sc. students co-advised: Maria Camporese, Marzia Favaro
- 2018-20 Teaching assistant for Machine Learning (18/19 and 19/20) and Computer Vision (18/19) courses of ICT Master at University of Padova, Italy
- 2018 Reviewer for CPHS18 and BGM18.
- 2017 Finalist at *Accenture Innovation Game*: business games of projects management.

Publications

- [1] U. Michieli, M. Biasetton, G. Agresti, and P. Zanuttigh, "Adversarial Learning and Self-Teaching Techniques for Domain Adaptation in Semantic Segmentation," *Submitted to the IEEE Transactions on Intelligent Vehicles*, 2019.

- [2] U. Michieli and P. Zanuttigh, "Incremental Learning Techniques for Semantic Segmentation," *International Conference on Computer Vision (ICCV), Workshop on Transferring and Adapting Source Knowledge in Computer Vision (TASK-CV), Seoul (South Korea)*, 2019.
- [3] U. Michieli, M. Camporese, A. Agiollo, G. Pagnutti, and P. Zanuttigh, "Region Merging Driven by Deep Learning for RGB-D Segmentation and Labeling," *International Conference on Distributed Smart Cameras (ICDSC), Trento (Italy)*, 2019.
- [4] M. Biasetton, U. Michieli, G. Agresti, and P. Zanuttigh, "Unsupervised Domain Adaptation for Semantic Segmentation of Urban Scenes," *Conference on Computer Vision and Pattern Recognition (CVPR), Workshop on Autonomous Driving (WAD), Long Beach (US)*, 2019.
- [5] U. Michieli and L. Badia, "Game Theoretic Analysis of Road User Safety Scenarios Involving Autonomous Vehicles," *IEEE International Symposium on Personal, Indoor and Mobile Radio Communications (PIMRC), Bologna (Italy)*, pp. 1377–1381, 2018.
- [6] G. Cisotto, U. Michieli, and L. Badia, "A coherence study on EEG and EMG signals," *IEEE Global Wireless Summit (GWS), Aarhus (Denmark)*, pp. 372–376, 2016.

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