

Umberto Michieli

📍 Padova 35129, Italy

📧 umbertomichieli

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♂ male

Date of birth: 28/11/1994




Last Update: November 3, 2018.

Education

- 2018–present **Ph.D. in Information Engineering**, *University of Padova*.
Research topic: "Semantic Segmentation of Images and Videos for Real-World Applications".
Supervisor: Prof. Pietro Zanuttigh.
- 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 and International Experiences

- aug 2018 **The Cornell, Maryland, Max Planck Pre-doctoral Research School 2018**,
Saarbrücken.
Awarded fellowship from the organizers.
- feb – jul 2018 **Visiting researcher at BIOTEC (Erasmus fellowship)**, *Dresden*.
 Implementation and test of link prediction algorithms in complex networks both real and
synthetic. Particular attention is being directed toward human and animal connectomes and
toward biological networks in general.
Supervisor: prof. Carlo Vittorio Cannistraci.
- jun 2018 **International School and Conference on Network Science (NetSci)**, *Paris*.
Participation covered with a fellowship granted by Technische Universität Dresden.
- 2018 **Awarded scholarship grant "Mille e una lode" for merit by University of
Padova**.

Personal skills

Languages

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

Computer skills

- Advanced:**
- Computer programming in different languages (Java/C++/python);
 - Scripting and data analysis with MATLAB®;
 - Discrete event network simulator ns-3;
 - L^AT_EX.

Intermediate:

- Office productivity software (Microsoft Office suite/Apple iWork);
- Unix shell;
- OpenProj.

Basic:

- ARM Assembly Language Programming;
- CST Microwave Studio
- Website realization (Wordpress/Jekyll).

Interests

Machine Learning for Computer Vision, Big Data, Human Data Analytics
Sports fan especially tennis which I practice at a competitive level.

Others

- 2018 Reviewer for "2nd IFAC Conference on Cyber-Physical & Human-Systems" (CPHS), December 14-15, 2018, Miami, USA.
- 2018 Reviewer for "International Conference on Advances in Biochemistry, Genetics and Molecular Biology" (BGM), September 05-06, 2018, London, UK.
- 2017-present Pre-enrolled member at AICQ SICEV "Associated Project Manager" Register.
- 2017 Finalist at *Accenture Innovation Game*: business games of projects management.
- 2017 *Excellence in Digital*: online course by Google about digital marketing, in Italian.

Publications

- [1] Giulia Cisotto, Umberto Michieli, and Leonardo Badia. "A coherence study on EEG and EMG signals". *Proceedings of the Global Wireless Summit (GWS)*, Aarhus, pages 372–376, 2016.
- [2] Umberto Michieli and Leonardo 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), pages 1377–1381, 9-12 September 2018.

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