

---

# Davide Zordan

---

**Date and Place of Birth:**

December 26, 1985, Castelfranco Veneto (TV)

**Citizenship:**

Italian

**Home Address:**

Via Dante Alighieri 34/A  
31037, Bessica di Loria (TV), Italy

**Phone and E-mail:**

Office: +39 049 827 7778  
Mobile: +39 349 198 0890  
E-mail: zordanda@gmail.com  
Skype: zordan.davide



---

## Short Biography

Davide Zordan was born in Castelfranco Veneto (Italy), on December 26, 1985. He obtained both the BSc (99/110) and the MSc (110/110) in Telecommunications Engineering from the University of Padova (Italy) in 2007 and 2010, respectively. He completed his Ph.D. under the supervision of Prof. Michele Rossi at University of Padova in December 2013. He is currently a Postdoctoral Researcher at the department of Information Engineering at University of Padova. His research interests include stochastic modeling and optimization, protocol design and performance evaluation for wireless networks, innetwork processing techniques for WSNs (including Compressive Sensing), energy efficient protocols for WSNs and energy harvesting techniques.

---

## Education and Professional Experiences

### Post-Doc (December 2013 - present)

- Affiliation: University of Padova, Italy, Doctoral School in Information Engineering
- Project Title: "Design and Analisis of microfluidic network elements"
- Supervisor: prof. Andrea Zanella

### PhD in Information Engineering (January 2011 - December 2013)

- Affiliation: University of Padova, Italy, Doctoral School in Information Engineering
- Thesis Title: Compression vs Transmission Tradeoffs for Energy Harvesting Sensor Networks
- Supervisor: prof. Michele Rossi
- Courses attended: "Applied Linear Algebra", "Statistical Methods", "Game Theory for Information Engineering" and "Dynamics over Networks"

### Visiting Scholar (January 2013 - July 2013)

- Affiliation: State University of New York (SUNY) at Buffalo
- Supervisor: Tommaso Melodia
- Research Activity: Optimization of Compression Policies for Energy Harvesting Sensor Networks

#### Research Scholarship (June 2010 – December 2010)

- Affiliation: University of Padova, Italy
- Project Title: “Progettazione di un sistema di monitoraggio in remoto per reti di grandi dimensioni basato su tecniche di codifica distribuita”

#### Master’s Degree in Telecommunications Engineering (2007-2010)

- Affiliation: University of Padova, Italy
- Thesis Title: Applicazione dell'algoritmo di Nesterov alla tecnica Compressive Sensing in reti di sensori Radio
- Supervisor: prof. Michele Rossi
- Assistant-supervisor: Giorgio Quer
- Final mark: 110/110

#### Bachelor’s Degree in Telecommunications Engineering (2004-2007)

- Affiliation: University of Padova, Italy
- Thesis Title: Quality Evaluation of Video Transmission using NS-2 Simulator
- Supervisor: prof. Michele Zorzi
- Final mark: 99/110

#### High School Education (1999-2004)

- Affiliation: High School I.T.I.S. “Eugenio Barsanti”, Castelfranco Veneto (TV), Italy
- Final Mark: 83/100

---

## **Publications**

### Journal Papers

[J1] D. Zordan, T. Melodia and M. Rossi, "*On the Design of Temporal Compression Strategies for Energy Harvesting Sensor Networks*", submitted to IEEE Transactions on Wireless Communications.

[J2] D. Zordan, B. Martinez, I. Vilajosana and M. Rossi, "*On the Performance of Lossy Compression Schemes for Energy Constrained Sensor Networking*", ACM Transactions on Sensor Networks, to appear

### Conference Papers

[C1] M. Hooshmand, D. Zordan, and M. Rossi, "*Evaluating the Gap Between Compressive Sensing and Distributed Source Coding in WSN*", IEEE International Conference on Computing, Networking and Communications (ICNC) 2015, February 2015, *accepted*

[C2] M. Miozzo, D. Zordan, P. Dini and M. Rossi, "*SolarStat: Modeling Photovoltaic Sources through Stochastic Markov Processes*", IEEE International Energy Conference (EnergyCon), May 2014, Dubrovnik, Croatia

[C3] Davide Zordan, Giorgio Quer, Michele Zorzi and Michele Rossi, "*Modeling and Generation of Space-Time Correlated Signals for Sensor Network Fields*," IEEE GLOBECOM 2011, Houston, Texas, US, 5-9 December 2011.

[C4] Giorgio Quer, Davide Zordan, Riccardo Masiero, Michele Zorzi and Michele Rossi, "*WSN-Control: Signal Reconstruction through Compressive Sensing in Wireless Sensor Networks*," IEEE International Workshop on Practical Issues in Building Sensor Network Applications (SenseApp) 2010. Denver, Colorado, 11-14 October, 2010.

---

## Awards

2010: my Master Thesis receives the “inTesi” award for innovation from PST Galileo (Parco Scientifico e Tecnologico Galileo - Corso Stati Uniti, 14bis - 35127 Padova)

---

## References

Prof. Michele Rossi, University of Padova, Department of Information Engineering, Via Gradenigo 6/b, Padova, Italy, E-mail: [rossi@dei.unipd.it](mailto:rossi@dei.unipd.it)

Prof. Michele Zorzi, University of Padova, Department of Information Engineering, Via Gradenigo 6/b, Padova, Italy, E-mail: [zorzi@dei.unipd.it](mailto:zorzi@dei.unipd.it)

---

I give my consent that the information contained in this CV be used for staff selection purposes, in compliance with the current national and international laws.

Padova, September 30th, 2014

*Diego Zordan*