

# Giacomo Ortali

## Curriculum Vitae

### Education

- November 2019 - **PhD student in Information Engineering**, *University of Perugia*, Engineering Department (DI), Perugia, Italy.  
Present Advisors: Prof. Walter Didimo, Prof. Giuseppe Liotta.  
Expected date of PhD award: April 2022.
- November 2017 **Master Degree (Laurea Magistrale) in Computer and Automation Engineering**, *University of Perugia*, Engineering Department (DI), Perugia, Italy, *Mark: 110/110 cum laude*.
- February 2014 **Bachelor Degree (Laurea) in Computer and Electronic Engineering**, *University of Perugia*, Engineering Department (DI), Perugia, Italy, *Mark: 94/110*.
- June 2010 **Scientific High School Certificate**, *Liceo Scientifico Leonardo da Vinci*, Umbertide (PG), Italy, *Mark: 100/100*.

### Experience Abroad

- November 2017 - March 2018 **University of Crete**, *Erasmus+ Traineeship*.  
During this period I joined the group led by Prof. Ioannis G. Tollis.
- May 2021 - **University of Tübingen**, *PhD abroad period*.  
July 2021 During this period I joined the group led by Prof. Michael Kaufmann

### Research Interests

My research interests are in the areas of *Theoretical Computer Science* and *Algorithms Design and Engineering*, with specific emphasis to *graph drawing and network visualization*, a field of growing interest for the analysis of complex networks in several application domains.

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## Publications

### Journals

- 2019 **A New Framework for Hierarchical Drawings**, *Giacomo Ortali and Ioannis G. Tollis*, J. Graph Algorithms Appl. 23(3): 553-578.

### Conferences

- 2018 **Algorithms and Bounds for Drawing Directed Graphs**, *Giacomo Ortali and Ioannis G. Tollis*, Graph Drawing 2018: 579-592.
- 2020 **Optimal Orthogonal Drawings of Planar 3-Graphs in Linear Time**, *Walter Didimo, Giuseppe Liotta, Giacomo Ortali, and Maurizio Patrignani*, SODA 2020: 806-825.
- 2020 **Rectilinear Planarity Testing of Plane Series-Parallel Graphs in Linear Time.**, *Walter Didimo, Michael Kaufmann, Giuseppe Liotta, Giacomo Ortali*, Graph Drawing 2020.

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## Attended Conferences and Workshops

- September 2018 **GD 2018**, *26th International Symposium on Graph Drawing and Network Visualization*, Barcelona, Spain.
- March 2019 **BWGD 2019**, *BICI Workshop on Graph Drawing 2019*, Bertinoro, Italy.
- September 2019 **GD 2019**, *27th International Symposium on Graph Drawing and Network Visualization*, Prague, Czech Republic.
- September 2020 **GD 2019**, *28th International Symposium on Graph Drawing and Network Visualization*, Vancouver, Canada.

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## Scientific Review Activity

**International journals:** Computational Geometry Theory and Applications, Journal of Graph Algorithms and Applications.

**International conferences:** GD 2019, GD 2020, CIAC 2021, EuroCG 2020, Walcom 2020.

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## Summer Schools

- May 2018 **Lake Como School of advanced studies**, *c/o Fondazione Alessandro Volta*, Como (CO) - Italy.

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## Languages

- Italian **Mothertongue**  
English **Advanced**