

# Curriculum Vitæ

## Personal informations

|               |                                         |
|---------------|-----------------------------------------|
| Name          | Veronica Dal Sasso                      |
| Date of birth | November 9th, 1989                      |
| Address       | Via Pirano 20<br>36100 Vicenza<br>Italy |
| Nationality   | Italian                                 |
| Telephone/fax | +39 0444 514916                         |
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## Work experience

|                   |                                                                                                                                                                                                                                                                                                   |
|-------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 01/2017 – ongoing | <b>Research Associate at Lancaster University Management School</b><br>Centre for Transportation and Logistics (CENTRAL)<br>Research topic: <i>Air traffic flow management under the TBO concept</i><br>The Optiframe project is founded by the European Commission within the SESAR 2020 project |
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## Education

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|-------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 10/2015 – 03/2016 | Visiting researcher under the supervision of prof. Martine Labbé<br>Université Libre de Bruxelles<br>Campus de la Plaine, Bat.NO, Boulevard du Triomphe, 1050 Bruxelles<br><a href="http://www.ulb.ac.be/rech/inventaire/unites/ULB604.html">http://www.ulb.ac.be/rech/inventaire/unites/ULB604.html</a>              |
| 01/2014-12/2016   | <b>PhD degree</b> under the supervision of dott. Luigi De Giovanni<br>Università degli Studi di Padova<br>Via 8 Febbraio, 2 - 35122 Padova - Italy<br><a href="http://www.math.unipd.it">http://www.math.unipd.it</a><br><br>Subject of the thesis: <i>A branch-and-price approach for Pure Parsimony haplotyping</i> |
| 10/2011–10/2013   | <b>Master Course in Mathematics</b><br>Università degli Studi di Padova<br><br>Grade: 110/110 cum laude<br>Subject of the thesis: <i>Integer programming models and methods for Delay Management in public transportation</i>                                                                                         |
| 09/2012 – 01/2013 | <b>LLP Program - Erasmus at Cardiff University, Wales</b><br><br><a href="http://www.cardiff.ac.uk">http://www.cardiff.ac.uk</a>                                                                                                                                                                                      |
| 10/2008 – 07/2011 | <b>Bachelor Degree in Mathematics - ISCED5A</b><br>Università degli Studi di Padova<br><br>Grade: 107/110<br>Subject of the thesis: <i>Market designs for CO<sub>2</sub> emissions reduction</i>                                                                                                                      |

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| 09/2003 – 07/2008 | <b>Secondary School Diploma - ISCED3A</b><br>Liceo Scientifico G.B.Quadri (Vicenza)<br>Via Carducci 17 - 36100 Vicenza - Italy<br><a href="http://www.liceoquadri.it">http://www.liceoquadri.it</a><br>Grade: 100/100 cum laude<br>Main subjects: Math, Physics |
| 06/2007 – 07/2007 | <b>Leonardo Da Vinci Project</b><br>1 week English language course<br>3 weeks internship in Oxfam bookshop, 34 Strutton Ground, London                                                                                                                          |

## Publications

Dal Sasso, V.; De Giovanni, L.; Labbe, M.; *Strengthened Formulations and Valid Inequalities for Delay Management in Public Transportation*, submitted to Transportation Science

Dal Sasso, V.; De Giovanni, L.; Labbé, M.; *A Column Generation Approach for Pure Parsimony Haplotyping*, 5th Student Conference on Operational Research (SCOR 2016), OpenAccess Series in Informatics (OASIS) (2016)

## Research Interests

Combinatorial Optimization, Mixed Integer Programming, Large-Scale problems, Heuristics

## Personal skills and competences

|                        |                                                                                                                                             |
|------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Languages</b>       |                                                                                                                                             |
| Italian                | Mother tongue                                                                                                                               |
| English                | B2                                                                                                                                          |
| <b>Computer skills</b> |                                                                                                                                             |
| Programming languages  | C, C++<br>Python                                                                                                                            |
| Programs               | Mathematica<br>Matlab<br>Latex<br>Ampl<br>Gams<br>IBM Cplex (Python libraries)<br>SCIP (C++ libraries)<br>Microsoft Office Excel            |
| <b>Achievements</b>    |                                                                                                                                             |
| 09/2008                | Winner of one of the 40 national INDAM scholarships                                                                                         |
| 03/2008                | 4th place in "Giochi Matematici" at provincial qualifying stage                                                                             |
| 03/2005                | 5th place in "Olimpiadi della Matematica" at provincial qualifying stage<br>3rd place in "Giochi Matematici" at provincial qualifying stage |