

# TOMMASO URLI, PH.D.

## CONTACT INFORMATION

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Australia  
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## WORK AND RESEARCH EXPERIENCE

*Research Scientist* *Sep. 2015–present* CSIRO Data61, Australia  
Optimisation Platforms and Applications  
Decision Sciences Program, Canberra Research Laboratory  
References: Phil KILBY

*Researcher* *June 2014–Sep. 2015* NICTA, Australia  
Logistics, Supply Chains, and Transportation  
Optimisation Research Group, Canberra Research Laboratory  
References: Pascal VAN HENTENRYCK · Phil KILBY

*Research Fellow* *Jan. 2014–May 2014* The University of Udine, Italy  
SCHEDULING AND TIMETABLING GROUP  
Department of Electrical, Business and Mechanical Engineering  
References: Prof. Andrea SCHAEF · Prof. Luca DI GASPERO

*Research Fellow* *Apr. 2010–Dec. 2010* The University of Udine, Italy  
HUMAN-COMPUTER INTERACTION LABORATORY  
Department of Mathematics and Computer Science  
Advisor: Prof. Roberto RANON

## EDUCATION

*Ph.D. Program* *2011-2014* The University of Udine, Italy  
Industrial and Information Engineering  
Thesis: *Hybrid Meta-heuristics for Combinatorial Optimization*  
Advisor: Prof. Luca DI GASPERO  
Referees: Prof. Nysret MUSLIU · Prof. Andrea ROLI

*Research Visit* 2012–2013 (8 months) The University of Adelaide, Australia  
EVOLUTIONARY COMPUTATION GROUP  
School of Computer Science  
Advisor: Prof. Frank NEUMANN  
Co-workers: Dr. Markus WAGNER · Anh Quang NGUYEN

M.Sc. 2008-2010 The University of Udine, Italy  
Master Program in Computer Science · Final score: 106 / 110  
Thesis: *Accurately Measuring the Satisfaction of Visual Properties in Virtual Camera Control* (Computer Graphics)  
Advisor: Prof. Roberto RANON

*Exchange Visit* 2008 (6 months) Lunds Universitet, Lund, Sweden  
LUNDS TEKNISKA HÖGSKOLA (LTH)

B.Sc. 2004-2007 The University of Udine, Italy  
Bachelor Program in Computer Science · Final score: 97 / 110  
Thesis: *Use of the MVC design pattern in the development of a Web application*  
Advisor: Prof. Claudio MIROLO

#### COMMITTEES

As a member of the research community, I serve as a Program Committee member and reviewer for a number of international conferences and workshops.

CP'17	Publicity chair & Program Committee member
ICLP'17	Publicity chair
SAT'17	Organising Committee member
IJCAI'17	Program Committee member
MIC'17	Program Committee member
EvoStar'17	Program Committee member
AAAI'17	Sub-reviewer and Demo Program Committee member
EvoStar'16	Program Committee member
ACALCI'16	Program Committee member
PATAT'16	Organizing Committee member
ASOR'16	Program Committee member
CP'16	Doctoral Program Committee member
IJCAI'16	Program Committee member
EvoStar'15	Program Committee member
MIC'15	Program Committee member

<i>CP'15</i>	Doctoral Program Committee member
<i>EvoStar'14</i>	Program Committee member
<i>CP'14</i>	Doctoral Program Committee member
<i>HM'14</i>	Sub-reviewer
<i>ICSIBO'14</i>	Sub-reviewer
<i>MIC'13</i>	Program Committee member
<i>MIC'11</i>	Local Organizing Committee member

#### JOURNAL REVIEWING

I have been invited to provide my insight as a reviewer on articles submitted to the following international scientific journals.

JOURNAL OF THE OPERATIONS RESEARCH SOCIETY (Palgrave Macmillan)

EUROPEAN JOURNAL OF OPERATIONS RESEARCH (Elsevier)

ARTIFICIAL INTELLIGENCE (Elsevier)

JOURNAL OF ARTIFICIAL INTELLIGENCE RESEARCH (Elsevier)

ARTIFICIAL INTELLIGENCE REVIEW (Springer)

INTERNATIONAL JOURNAL OF SUSTAINABLE TRANSPORTATION (Taylor & Francis)

PEERJ COMPUTER SCIENCE (PeerJ)

FRONTIERS IN APPLIED MATHEMATICS AND STATISTICS (Frontiers)

CONSTRAINTS (Springer)

TRANSACTIONS ON COMPUTATIONAL LOGIC (Springer)

JOURNAL OF SCHEDULING (Springer)

COMPUTERS & OPERATIONS RESEARCH (Elsevier)

#### GRANTS & AWARDS

I have received the following awards and grants (including travel grants and scholarships).

<i>CP'15</i>	Best Application Paper Award
<i>FOGA'13</i>	Travel Grants · SIGEVO · ACM
<i>CP'13</i>	Travel Grants (Doctoral Program) · ACP
<i>MIUR</i>	3-years scholarship for Ph.D. Program (2011-2013)
<i>DIMI</i>	6-months scholarship for student mobility (Sweden) · University of Udine

## INVITED SEMINARS & LECTURES

I have been invited to give the following lectures and seminars, at various universities and institutions.

- Lecture* Australian National University (2017)  
Guest lecture (1h) about *Optimisation* within the *Art of Computing* course (lecturer: Prof. Lexing Xie).
- Talk* Queensland University of Technology (2016)  
Talk on *Tactical Fleet Design* within the *Biarri Applied Math (BAM)* event.
- Lecture* Australian National University (2016)  
Guest lecture (1h) about *Optimisation* within the *Art of Computing* course (lecturer: Dr. Patrik Haslum).
- Seminar* Australasian Conference on Artificial Intelligence (2015)  
Seminar about *git* within the Student Symposium.
- Seminar* University of Udine (2015)  
Seminar (2h) about *Fleet Design Optimisation from Historical Data Using Constraint Programming and Large Neighbourhood Search*.
- Seminar* NICTA Canberra Research Laboratory (2014)  
Seminar (1h) about *Homecare scheduling: a CP-base LNS approach* (ORG SEMINARS).
- Lecture* Aalborg University of Copenhagen (2013)  
Guest lecture (1h) about *Effective Viewpoint Computation with Particle Swarm Optimization* within the *Computer Graphics* course (lecturer: Dr. Paolo Burelli).
- Seminar* University of Adelaide (2012)  
Seminar (1h) about *Hyperheuristics to solve combinatorial optimisation problems* (*Evolutionary Computation Group* seminars).

## TEACHING

In the course of my Ph.D., I have provided teaching assistance at some of the courses offered by the University of Udine.

- TA* Web Applications · Prof. Luca Di Gaspero  
I took care of some of the laboratory sessions for the Web Applications course, with practical exercises about HTML and CSS.
- TA* Computer Networks · Prof. Pier Luca Montessoro  
In a series of three lectures, I gave some practical demonstration of some attacks (MITM, buffer overflow, SQL injection and WEP password cracking) that can be carried out over computer networks.
- TA* C Programming · Prof. Pier Luca Montessoro  
I supervised the laboratory lectures for the course of *C Programming* (Fondamenti di Informatica 1) of the Faculty of Engineering.
- TA* Computer Networks · Prof. Pier Luca Montessoro  
In a series of three lectures, I gave some practical demonstration of some attacks (MITM, buffer overflow, SQL injection and WEP password cracking) that can be carried out over computer networks.

## LANGUAGES

ITALIAN Native language · Good writing skills

ENGLISH Good reading, listening, writing and speaking skills. Latest certification: 8/9 (equivalent to C2 in the European Framework of Reference Levels) in IELTS taken in May 2014 (8.5/9 listening, 8.5/9 reading, 7.0/9 writing, 7.5/9 speaking). Previous certification: 104/120 in TOEFL iBT taken in March 2010 (partials: 28/30 reading and listening, 23/30 speaking, 25/30 writing). To date, I have lived in an English-speaking country (Australia) for more than 3 years, and in Sweden (2008) for 6 months.

May 10, 2017