

# Georgia-Roumpini Iordanidou

## PERSONAL INFORMATION

**Address:** Production Engineering and Management  
Technical University of Crete  
GR-73100 Chania, Greece

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**email:** giordanidou@dssl.tuc.gr

**Date of birth:** 22/9/1988

**Place of birth:** Chania, Crete

**Nationality:** Greek

**Marital Status:** Single

## EDUCATION

**09/2012-present**                      **Technical University of Crete, Greece**  
Production Engineering and Management  
Phd Candidate

**10/2011-09/2012**                      **Technical University of Crete, Greece**  
Production Engineering and Management  
MSc in Operational Research  
MSc Thesis: Solving the vehicle routing problem with stochastic demand using algorithms inspired from nature  
Diploma of Technical University of Crete in Operational Research

**09/2006-03/2011**                      **Technical University of Crete, Greece**  
Production Engineering and Management  
Diploma in Production Engineering and Management with Distinction, GPA 8.58 / 10.00  
Diploma Thesis: Solving the vehicle routing problem with stochastic demand using the particle swarm optimization algorithm

## WORK EXPERIENCE

**09/2012-present**                      Research associate in Dynamic Systems and Simulation Laboratory (DSSL), Technical University of Crete, Greece

## PARTICIPATION IN RESEARCH PROGRAMS

**03/2013-present**                      **TRAMAN 21**  
Traffic management for the 21<sup>st</sup> century, Funded by the European Commission, European Research Council Executive Agency, Advanced Investigator Grant with Principal investigator Prof. Markos Papageorgiou.

**06/2012-03/2013**                      **MCS-PERTH**  
Modelling, configuration and simulation testing for managed freeways pilot project using a meso-model, Funded by the Australian Road Research Board (ARRB Group) as a subcontract for Main Roads Western Australia, Principal Investigator.

## SCHOLARSHIPS

**2006-2007**                              **Technical University of Crete Scholarship**  
Scholarship for undergraduate studies

**2006-2007**                              **Scholarship Foundation State Performance Scholarship**  
Scholarship for undergraduate studies

**2007-2008**                              **Technical University of Crete Excellence Scholarship**  
Scholarship for undergraduate studies

**2007-2008**                              **Scholarship Foundation State Scholarship**  
Scholarship for undergraduate studies

**2008-2009**                              **Technical University of Crete Performance Scholarship**  
Scholarship for undergraduate studies

**2010-2011**                              **Technical University of Crete Excellence Scholarship**  
Scholarship for undergraduate studies

## LANGUAGES

**Greek:**                                  Mother tongue

**English:**                                Fluently

## COMPUTER SKILLS

<b>Operating systems:</b>	MS Windows
<b>Commercial programs:</b>	MS Office, Matlab, METANET, AMOC, AIMSUN, PRO-Engineer
<b>Programming languages:</b>	C/C++, Matlab,

## SEMINARS/LECTURES

<b>8-12 October 2012</b>	10th Short Course on Dynamic Traffic Flow Modelling and Control, Technical University of Crete, Greece
<b>26-27 March 2010</b>	Conference of Banking and Financial of the Financial Management Systems Laboratory of Technical University of Crete, Greece
<b>14 -15 November 2009</b>	1 <sup>st</sup> Conference of Voluntary Organisations for Civil Protection and Environmental Protection in Crete

## PUBLICATIONS

### International Journal Papers

- J1. Marinakis J., Iordanidou G.R. and Marinaki M.  
Particle swarm optimization for the vehicle routing problem with stochastic demands  
Applied Soft Computing, Vol. 13, pp. 1693-1704, 2013.
- J2. Iordanidou G.R., Roncoli C., Papamichail I. and Papageorgiou M.  
Feedback-based mainstream traffic flow control for multiple bottlenecks on motorways  
IEEE Transactions on Intelligent Transportation Systems, 2014 (under revision).

### Conference Papers

- C1. Iordanidou G.R., Papamichail I., Roncoli C. and Papageorgiou M.  
A Feedback-Based Approach for Mainstream Traffic Flow Control of Multiple Bottlenecks on Motorways  
19<sup>th</sup> IFAC Symposium on Transportation Systems, Cape Town, South Africa, August 24, 2014.

## **Research and Development Reports**

- R1. Papamichail I., Iordanidou G.R., Spiliopoulou A. and Papageorgiou M.  
Modelling, configuration and simulation testing for the Main Roads managed freeways pilot project – Final Report  
Prepared for Main Roads Western Australia, Perth, Australia, March 2013.