

## **SIMONE MARSIGLIO**

PhD in Economics (University of Milan)

*June 2015*

### **Personal details:**

Date of Birth: January 7th, 1983  
Gender: Male  
Citizenship: Italian  
Languages: Italian (mother tongue), English  
Software: Mathlab, R, Maple, Lingo

### **Contact information:**

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### **EMPLOYMENT:**

01/2015 - present: Lecturer (Assistant Professor) in Economics, School of Accounting, Economics and Finance, University of Wollongong, Wollongong, New South Wales, Australia  
09/2012 - 01/2015: Lecturer in Economics, School of Business, James Cook University (JCU), Cairns, Queensland, Australia  
01/2012 - 09/2012: Postdoctoral Fellow in Environmental Economics and Natural Resources, Institute of Public Economics, University of the Basque Country, Bilbao, Spain  
09/2011 - 09/2012 : Lecturer in Macroeconomics, School of Economics, University of East Anglia, Norwich, England  
12/2010 - 12/2011: Postdoctoral Fellow in Macroeconomics, Institute of Public Policy and Choice, University of Eastern Piedmont, Italy

### **Visiting Positions:**

06-07/2015: Department of Economics, Management and Quantitative Methods, University of Milan, Milan, Italy  
05-06/2014: Department of Economics, Management and Statistics, University of Milan-Bicocca, Milan, Italy  
06-07/2013: Institute of Public Policy and Public Choice, University of Eastern Piedmont, Alessandria, Italy  
03-07/2010: School of Accounting, Economics and Finance, Deakin University, Melbourne, Australia  
09/2008-09: Economic School of Louvain, Catholic University of Louvain, Louvain, Belgium

### **EDUCATION:**

09/2007 - 02/2011: PhD in Economics (Distinction), University of Milan, Italy  
Awarded with the S.I.E. (Italian Economic Association) Prize for the best Italian PhD thesis  
09/2008 - 09/2009: MPhil in Economics (Distinction), Catholic University of Louvain, Belgium  
09/2005 - 07/2007: MA in Economics (110/110 cum laude), University of Milan, Italy  
01/2006 - 12/2006: MA in Finance, University of Brescia, Italy  
09/2002 - 06/2005: BA in Economics (110/110), University of Milan, Italy

### **Short courses:**

07/2012: Environmental Economics Summer School 2012 - Some dimensions of climate change: international agreements, carbon finance and ecosystem based approaches, BC3 and University of the Basque Country (San Sebastian, Spain)  
02/2011: Moscow Winter School 2011 - Economic growth: mathematical dimensions, Lomonosov Moscow State University (Moscow, Russia)  
07/2008: Barcelona Macroeconomics Summer School 2008 - Economic growth and development, Pompeu Fabra University (Barcelona, Spain)

### **RESEARCH:**

Main: Macroeconomic theory, economic growth (technological progress, human capital, population dynamics), environmental economics (natural resources, sustainability), economic fluctuations (indeterminacy, endogenous fluctuations), economic dynamics  
Minor: OLG models (unified growth theory, pension systems), mathematical economics (stochastic optimization, fractals in economics), development economics, tourism economics, multi-criteria analysis

### Journal Articles:

15. "Self-similar measures in multi-sector endogenous growth models" (2015). *Chaos, Solitons and Fractals*, forthcoming (with La Torre, D., Mendivil, F., and Privileggi, F.)
14. "Sustainability and intertemporal equity: a multicriteria approach" (2015). *Annals of Operations Research*, forthcoming (with Colapinto, C., and Liuzzi, D.)
13. "Multi-criteria decision analysis with goal programming in engineering, management and social sciences" (2015). *Annals of Operations Research*, forthcoming (with Colapinto, C., and Jayaraman, R.)
12. "Optimal control: theory and application to science, engineering, and social sciences" (2015), *Abstract and Applied Analysis*, Editorial, forthcoming (with Kunze, H., La Torre, D., Malik, T., Ruiz-Galan, M.)
11. "Uncertainty, crowding aversion and tourism aversion in tourism destinations" (2015). *Tourism Economics*, forthcoming
10. "Economic growth and environment: tourism as a trigger for green growth" (2015). *Tourism Economics* 21(1), 183–204
9. "Reassessing Edgeworth's conjecture when population dynamics is stochastic" (2014). *Journal of Macroeconomics* 42(1), 130–140
8. "Environmental shocks and sustainability in a basic economy-environment model" (2013). *International Journal of Applied Nonlinear Science* 1(1), 67–75 (with Privileggi, F.)
7. "Stochastic shocks in a two-sector Solow model" (2012). *International Journal of Mathematical Modelling and Numerical Optimisation* 3(4), 313–318
6. "A note on demographic shocks in a multi-sector growth model" (2012). *Economics Bulletin* 32(3), 2293–2299 (with La Torre, D.)
5. "Population dynamics and utilitarian criteria in the Lucas-Uzawa model" (2012). *Economic Modelling* 29(4), 1197–1204 (with La Torre, D.)
4. "Economic growth: technical progress, population dynamics and sustainability" (2012). *Rivista Italiana degli Economisti - Journal of the Italian Economic Association* 17(1), 151–158
3. "Fractals and self-similarity in economics: the case of a two-sector growth model" (2011). *Image Analysis & Stereology* 30(3), 143–151 (with La Torre, D., and Privileggi, F.)
2. "On the relationship between population change and sustainable development" (2011). *Research in Economics* 65(4), 353–364
1. "Endogenous technological progress in a multi-sector growth model" (2010). *Economic Modelling* 27(5), 1017–1028 (with La Torre, D.)

### Submitted Articles - Working Papers:

1. Economic growth, structural change and environmental quality (with Ansuategi, A., and Gallastegui, M.C.). Revised and resubmitted, second round
2. Intellectual property rights and knowledge production in endogenous recombinant growth models (2014). *Dipartimento "Cognetti de Martiis"*, Working Paper 13 (with Marchese, C., Privileggi, F., and Ramello, G.). Under review
3. Dynamics and welfare in recombinant growth models with intellectual property rights: a computational method (2014). *Dipartimento "Cognetti de Martiis"*, Working Paper 14 (with Privileggi, F.). Under review
4. Is environmental protection expenditure beneficial for the environment? (with Ansuategi, A.). Under review
5. Economic growth and abatement activities in a stochastic environment. Under review

### Research Projects - Research Grants - Consultancy:

3. "Operational cost effectiveness" (06/2014 - 02/2015). Contract Research, West Wing Aviation Pty Ltd, \$18,600 (with Chaiechi, T., and Sun, S.)
2. "The economic and environmental impacts of uncertainty" (04/2014 - 12/2014). Early Career Researcher 2014 Grant, Faculty of Business, Law and the Creative Arts, JCU, \$4,000
1. "Tourism in the tropics: economic and environmental aspects" (04/2013 - 12/2014). Early Career Researcher 2013 Grant, Faculty of Business, Law and the Creative Arts, JCU, \$3,976

## **PROFESSIONAL ACTIVITIES:**

### **Awards - Scholarships:**

- 12/2011: Award, S.I.E. (Italian Economic Association) Prize for the best Italian Ph.D. thesis in Economics in 2009/10 (Rome, Italy)
- 04/2010: Award, best paper presented, 2nd Annual Conference on Globalization, Sustainability and Development (Bali, Indonesia)
- 09/2008-09: Erasmus Fellowship, University of Milan
- 09/2007-10: Ph.D. scholarship, University of Milan
- 01-12/2006: Graduate scholarship, University of Brescia

### **Conferences, Workshops and Seminars with Presentation:**

- 2015: Australasian Economic Theory Workshop 2015 (Melbourne, Australia), University of Padova (Padova, Italy)
- 2014: Workshop of the Australasian Macroeconomics Society 2014 (Melbourne, Australia); Prague 2014: Euro-American Conference for Academic Disciplines (Prague, Czech Republic); Internal seminar, Economics seminars, JCU (Cairns, Australia)
- 2013: Internal seminar, Economics seminars, JCU (Cairns, Australia); IATE Conference 2013 (Ljubljana, Slovenia); Internal seminar, School of Business, JCU (Cairns, Australia)
- 2012: ANZSEE Conference 2012 (Gold Coast, Australia); Bratislava Economic Meeting 2012 (Bratislava, Slovakia); POLIS Spring Seminar, University of Eastern Piedmont (Alessandria, Italy); Augustin Cournot Doctoral Days (Strasbourg, France); Doctoriales 2012, ADRES Annual Doctoral Conference (Marseille, France)
- 2011: Invited seminar, University of the Basque Country (Bilbao, Spain); AMASES Annual Conference 2011 (Pisa, Italy); 4th PhD Conference in Economics 2011 (Athens, Greece); POLIS Spring Seminar, University of Eastern Piedmont (Alessandria, Italy); POLIS Winter Seminar, University of Eastern Piedmont (Alessandria, Italy)
- 2010: PhD Students' Seminars, University of Milan (Milan, Italy); Melbourne Graduate Students Conference in Economics 2010 (Melbourne, Australia); Macro Reader Club, Deakin University (Melbourne, Australia); 2nd Annual Conference on Globalization, Sustainability and Development (Bali, Indonesia); 15th Australasian Macroeconomics Workshop (Wellington, New Zealand); Southern Workshop in Macroeconomics (Auckland, New Zealand)

### **Referring Activities:**

Annals of Operations Research, Computational Economics, Computers and Mathematics with Applications, Economic Modelling, Environmental and Resource Economics, European Journal of Comparative Economics, INFOR, International Journal of Bio-Inspired Computation, International Journal of Environmental Technology and Management, International Journal of Global Environmental Issues, International Journal of Innovation and Sustainable Development, International Journal of Multicriteria Decision Making, International Journal of Services Technology and Management, International Journal of Sustainable Development, Journal of Economics, Population Studies, Structural Change and Economic Dynamics, Tourism Economics

### **Editorial Activities:**

- 03/2015: Guest Editor of the special issues of *Abstract and Applied Analysis* on "Optimal control: theory and application to science, engineering, and social sciences" (with Kunze, H., Malik, T., Ruiz-Galan, M.; Lead Guest Editor: La Torre, D.)

## **REFERENCES:**

Available upon request