

Georgios Antonios Sarantitis

Personal Information

Nationality: Greek

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Education

- 2012-2015 (expected): Ph.D., Department of Economics, Democritus University of Thrace, Greece. Dissertation title: “Complex Networks and Economic Growth”. Areas of specialization: Network analysis, Optimization techniques, Macroeconomics, International economics
- 2010-2012: MSc, Department of Economics, Democritus University of Thrace, Greece. Thesis title: “Testing the Purchasing Power Parity theory with the Hurst exponent”.
- 2002-2009: Bsc. Eng. Department of Production and Management Engineers, Polytechnical School of Democritus University of Thrace, Greece.

Publications

7. Papadimitriou, Th., Gogas, P. and Sarantitis, G., 2014. Convergence of European Business Cycles: A Complex Networks Approach. *Computational Economics*, 1-23.
6. Papadimitriou, Th., Gogas, P. and Sarantitis, G., 2014. European Business Cycle Synchronization: a Complex Network Perspective, In *Network Models in Economics and Finance*, pp. 265-275. Springer International Publishing.
5. Papadimitriou, Th., Gogas, P. and Sarantitis, G., 2014. Business Cycle Convergence: A Survey of Methods and Models. In *Mathematics without Boundaries: Surveys in Interdisciplinary Research*, pp. 447-469. Springer New York.
4. Papadimitriou, Th., Gogas, P. and Sarantitis, G. An analysis of the U.S. Gross State Product growth co-movement using the Minimum Dominating Set. In *Proc. of GlobalSIP-2013*, Austin, USA, December, 2013, pp. 1145.
3. Gogas, P., Papadimitriou, Th. and Sarantitis, G., 2013. Testing purchasing power parity in a DFA rolling Hurst framework: the case of 23 OECD countries. *Applied Financial Economics*, vol. 23 (17), pp. 1399-1406.
2. Arapatsakos, C., Christoforidis, D., Sarantitis, G. and Giannopoulos, D., 2008. Fuel Mixtures of Diesel-Maize oil. *International Journal of Energy*, vol. 2, pp. 43-50.
1. Arapatsakos, C., Christoforidis, D., Sarantitis, G. and Giannopoulos, D., 2008. The exhaust gas emissions quality when used as fuel mixtures of diesel-maize oil. In *Proceedings of 2nd WSEAS/IAESME International Conference on Renewable Energy Sources (RES' 08)*, Corfu.

Conferences' Presentations

- “Threshold Weighted - Minimum Dominating Set (TW-MDS): An optimization technique for analyzing complex economic networks” with Th. Papadimitriou and P. Gogas. Presented in the “27th European Conference on Operational Research (Euro 2015)”, Glasgow, Scotland, July 12-15, 2015.
- “Complex Networks for Central Banks: an empirical analysis of the United Kingdom’s Consumer Price Index” with P. Gogas and Th. Papadimitriou. Presented in the “21st Computing in Economics and Finance” Conference, Taipei, Taiwan, June 20-22, 2015.
- “Network Analysis for Central Banks” with P. Gogas and Th. Papadimitriou. Presented in the “International Conference on Business & Economics of the Hellenic Open University”, Athens, Greece, February 6-7, 2015.
- “An analysis of the U.S. Gross State Product growth co-movement using the Minimum Dominating Set” with Th. Papadimitriou and P. Gogas. Presented in the “1st IEEE Global Conference on Signal and Information Processing”, Austin, Texas, USA, December 2-5, 2013.
- “The euro and GDP growth convergence in the E.U. using a Minimum Dominating Set” with Th. Papadimitriou and P. Gogas. Presented in the “Network Models in Economics and Finance” Conference, Athens, Greece, June 12-15, 2013, organized by the “Laboratory of Algorithms and Technologies for Networks Analysis (LATNA)”, Higher School of Economics, Russia.

Work Experience

- 25/02/2015-present: External associate at Democritus University of Thrace. Economic Administration Division. Project: “Study of applying modern practices and IT technologies for the follow up of the viability of the decisions and processes of the administrative offices of Democritus University of Thrace”.
- 7/7/2014-26/9/2014: Internship in the Bank of England, Structural Economic Analysis Division, Monetary Analysis. Project: A network analysis of the UK Consumer Price Index.
- 15/02/2012-05/07/2014: External associate at Democritus University of Thrace. Economic Administration Division. Project: “Evaluation and assessment of the functions and decisions of the administrative agencies”.
- 11/2010-09/2011: Secondary materials’ warehouse manager at Alfin S.A., Industrial area of Komotini, Greece. Duties: Accountable for secondary materials supplying, assuring that production does not run out of necessary consumables, keeping stock parts to minimum, computerization of the inventory system.

- 11/2009-04/2010: Assistant of stock manager at Interplast S.A., Industrial area of Komotini, Greece. Duties: ERP operator, every-day production recording and analysis, ISO 9001 recording, productivity and efficiency reports, consumables' ordering.
- 19/06/2013-today: Member of EFEPAE. Scope: Evaluation and assessment of investment proposals within the context of ESPA (European co-financing investment program)

Prizes-Awards

- 2002: Scholarship from the National Scholarships' Foundation of Greece for Excellent Performance

Professional Affiliations

- Member of the research network "EABCN: Euro Area Business Cycle Network"

Language Proficiency

- Greek (Native speaker)
- English: C2 level (Certificate of Proficiency in English)
- German: B2 level (Goethe Zertifikat)

Computer Skills

- Very good knowledge of: Windows, MS-Office, Matlab, Eviews, Gephi. Lesser familiarity with: R, Pajek, Gretl, Inkscape, CPLEX, Cytoscape. Certified Knowledge: European Computer Driving License (ECDL)

Uncategorized Skills

- Driver's license