STAVROS TOUMPIS

Date/Place of birth	21st January, 1975, Athens, Greece
Affiliation	Department of Informatics Athens University of Economics and Business Patission 76, 104 34, Athens, Greece
Current position	Assistant Professor
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Fields of interest	Performance Evaluation; Wireless Networks; Probability Theory.

Education

2003	PhD in Electrical Engineering, Stanford University
2003	MSc in Mathematics, Stanford University
1999	MSc in Electrical Engineering, Stanford University
1997	Diploma in Electrical and Computer Engineering, National Technical University of Athens

Employment History

since 2009	Assistant Professor, Informatics Dept., Athens University of Economics and Business
2005–2009	Lecturer, Electrical and Computer Engineering Dept., University of Cyprus
2003 – 2005	Senior Researcher, Telecommunications Research Center Vienna, Austria
1997 – 2003	Research and Teaching Assistant, Electrical Engineering Dept., Stanford University

Grants (selection)

2017 – 2018	Scientific Coordinator of the Project "Unmanned Surface Vehicles as Primary Assets for the Coast Guard (UNSURPASSED)". Budget: 100,000 euro. Third-party agreement with the Horizon 2020 Project RAWFIE (http://www.rawfie.eu)
2014 – 2015	Member of the *Excellence* Research Project 3818, "Information-Centric Future Mobile and Wireless Access Networks (I-CAN)"
2012 – 2015	Member of the *Thales* Research Project MIS 379418 "Distributed Communication Systems (DISCO)"
2012 – 2015	Member of the *Thales* Research Project MIS 375583, "Optimal Control of Self Organized Wireless Networks (CROWN)"
2006 – 2009	Member of the FP6 Specific Targeted Research Program (STREP) Project 034413, "Network Research Foundations (Net-ReFOUND)"

Supervision of PhD students

2015	Anna Sidera "Design and Analysis of Novel Routing Protocols for Vehicular Delay-Tolerant Networks", University of Cyprus (Joint supervision with Ch. Hadjicostis of the University of Cyprus)
2019 (expected)	Georgios Konidaris "Network Optimization with Applications to Wireless Networks", Athens University of Economics and Business

Further activities (selection)

since 2014	Steering Committee Chair, International Symposium on Modeling and Optimization in Mobile, Ad Hoc, and Wireless Networks (WiOpt)
since 2010	Steering Committee Member, International Symposium on Modeling and Optimization in Mobile, Ad Hoc, and Wireless Networks (WiOpt)
since 2010	Member of the Editorial Board, Computer Networks Journal
since 2009	Member of the Editorial Board, Performance Evaluation Journal
since 2003	Referee for various journals (IEEE Trans. on Information Theory, Networks, Mobile Computing, etc.) and conferences (IEEE Infocom, ICC, Globecom, etc.)
since 2003	Member of Organizing Committee of various conferences (SPAWC 2018, CTW 2016, ITW 2009, INFOCOM 2007, Med-Hoc-Net 2006, etc.)
since 2003	Guest Editor of 5 special journal issues

Books

2015	S. Toumpis and S. Gitzenis, "Single Variable Calculus", Kallipos Editions (in Greek)
2015	I. Kontoyiannis and S. Toumpis, "Elements of Probability", Kallipos Editions (in Greek)

Selected Publications

[1] R. Cavallari, S. Toumpis, R. Verdone. Analysis of Hybrid Geographic/Delay-Tolerant Routing Protocols for Wireless Mobile Networks. Proc. IEEE INFOCOM 2018, Honolulu, HI, Apr. 2018.

[2] U. Schilcher, S. Toumpis, M. Haenggi, A. Crismani, G. Brandner, Ch. Bettstetter. Interference Functionals in Poisson Networks. IEEEE Transactions on Information Theory, vol. 62, no. 1, pp. 370-383, Jan 2016.

[3] A. Crismani, S. Toumpis, U. Schilcher, G. Brandner, C. Bettstetter. Cooperative Relaying under Spatially and Temporally Correlated Interference. IEEE Transactions on Vehicular Technology, vol. 64, no. 10, pp. 4655-4669, Oct. 2015.

[4] A. G. Tasiopoulos, Ch. Tsiaras, S. Toumpis. On Optimal and Achievable Cost/Delay Tradeoffs in Delay Tolerant Networks. Computer Networks vol. 70, pp. 59-74, Sept. 2014.

[5] S. Toumpis, S. Gitzenis. Load Balancing in Wireless Sensor Networks using Kirchhoff's Voltage Law. Proc. IEEE INFOCOM 2009, Rio de Janeiro, Brazil., Apr. 2009, pp. 1656-1664.

[6] R. Catanuto, S. Toumpis, G. Morabito. Opti{c,m}al: Optical/Optimal Routing in Massively Dense Wireless Networks. Proc. IEEE INFOCOM 2007, Anchorage, AL, May 2007, pp.1010-1018.

[7] S. Toumpis, L. Tassiulas. Optimal Deployment of Large Wireless Sensor Networks. IEEE Transactions on Information Theory vol. 52, no. 7, pp. 2935-2953, July 2006.

[8] S. Toumpis, L. Tassiulas. Packetostatics: Deployment of Massively Dense Sensor Networks as an Electrostatics Problem. Proc. IEEE INFOCOM 2005, vol. 4, Miami, FL, Mar. 2005, pp. 2290-2301.

[9] S. Toumpis, A. J. Goldsmith. Large Wireless Networks under Fading, Mobility, and Delay Constraints. Proc. IEEE INFOCOM 2004, Hong Kong, China, Mar. 2004, vol. 1, pp. 609-619.

[10] S. Toumpis, A. J. Goldsmith. Capacity Regions for Wireless Ad Hoc Networks. IEEE Transactions on Wireless Communications vol. 2, no. 4, pp. 736-748, July 2003.

Google Scholar: https://scholar.google.gr/citations?user=LyiVPKEAAAAJ&hl=en&oi=ao