

# CURICULUM VITAE

## Iordanis Koutsopoulos

### Assistant Professor

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## Education

- 1999-2002: Ph.D. in Electrical and Computer Engineering, University of Maryland, College Park, MD.  
Dissertation title: “Resource allocation issues in broadband wireless networks with OFDM signaling”.  
Supervisor: Leandros Tassiulas.  
Major / minor: Communications and Signal Processing / Control Systems.
- 1997-1999: M.Sc. in Electrical and Computer Engineering, University of Maryland, College Park, MD.  
Thesis title: “Handover and channel allocation mechanisms in mobile satellite networks”.  
Supervisor: Leandros Tassiulas.
- 1992-1997: Diploma in Electrical and Computer Engineering, National Technical University of Athens, Greece.  
Thesis title: “Study, analysis and implementation of an analytical algorithm, based on ray tracing, for mobile satellite communications channels”.

## Professional Experience

### Academic and Research

- **Assistant Professor:** Department of Computer Science, Athens University of Economics and Business, 2013-.
- **Assistant Professor:** Department of Computer and Telecommunications Engineering, University of Thessaly, Volos, Greece, 2010-2013.
- **Affiliated Researcher:** Centre for Research and Technology Hellas (CERTH), Informatics and Telematics Institute, 2005-present.
- **Lecturer:** Computer and Telecommunications Engineering, University of Thessaly, Volos, Greece, 2005-2010.
- **Adjunct Lecturer:** Computer and Telecommunications Engineering, University of Thessaly, Volos, Greece, 2003-2005.
- **Affiliated Researcher:** Centre for Research and Technology Thessaly (CERETETH), 2009-2011.

- **Affiliated Researcher:** Institute for Accelerating Systems and Applications (IASA), 2009-2011.
- **Visiting Scholar:** University of Washington, Seattle, WA, 6/2005-8/2005. Collaboration on intrusion detection and jamming attack modeling for wireless networks; Partial supervision of graduate student M. Li.

### **Industry experience in Europe and USA**

- **Visiting scientist:** Yahoo! Research Labs, Barcelona, 9/2012-12/2012. Community Q&A systems, like Yahoo! answers. Privacy monetization. Green crawling. Social influence and games. Topic-targeted influence propagation.
- **Intern:** Aperto Networks Inc, Milpitas, CA, 5/2000-8/2000. Participation in design and analysis of cross-layer adaptation algorithms (PHY modulation, FEC coding rate and power control and link layer ARQ protocol, packet size) for the Aperto Fixed Broadband Wireless link. These algorithms are part of the technology *OptimaLink*® that has been incorporated into products PacketWave of Aperto (subscriber unit, Base Station unit) for high performance fixed wireless broadband access. Performance evaluation of algorithms with the OPNET simulation tool.
- **Intern:** HRL Laboratories, Malibu, CA, 5/1999- 8/1999: Research in internal HRL project “*Small Unit Operation – Deployable and Adaptive Ad-hoc Mobile Networks (SUO-DAMAN)*” of DARPA. Design of broadcast routing protocols for control information dissemination in wireless ad-hoc networks. Performance evaluation in terms of bandwidth consumption, delay and robustness to topology changes.
- **Intern:** Hughes Network Systems (HNS), Germantown, MD, 5/1998-8/1998: Research in project “*Intermediate Circular Orbit (ICO) Satellite System*” of ICO Global Communications Ltd. Design of handover algorithms for Mobile Satellite System ICO. Simulation in C++ of dynamic operation of the ICO satellite system (satellites, terrestrial and airborne user terminals, wireless link, handover, channel allocation, call blocking). Design and simulation of channel allocation algorithms for improved blocking ratio.

### **Other related experience in Greece**

- **Intern:** Hellenic Telecommunications organization (O.T.E), Athens, 6/1997-8/1997. Study of ISDN and packet switched network HELLASPAC.
- **Intern:** Public Power Corporation, Athens. 4/1997-6/1997 and 7/1995-10/1995. Participation in a joint project with OTE for development of a wireless communication network between power production, distribution and management centers.
- **Intern:** Petrola Hellas Refinery, Athens, 6/1996-9/1996. Optical fiber network design for the refinery.

### **Honors, distinctions and awards**

- **European Research Council (ERC) competition runner-up award** (co-funded by Greece and the European Union (European Social Fund) through the Operational Program "Education and lifelong learning - NCRF 2007-2013), for the project "RECITAL: Resource Management for Self-coordinated Autonomic Wireless Networks", €690K (single investigator), 2012-2015.

- **Samsung Global Research Outreach (GRO) Innovations program award** for the project "NETSTAT: Network inference and optimization with statistical physics methods", 2012-2013, €200K, co-PI (with L. Tassiulas).
- **Senior Member of IEEE**, 2012.
- **Greek Government Scholarship grant** for bi-lateral collaboration with Deutsche Telekom Labs, Germany, €10K, 2012-2013.
- **Marie Curie International Re-Integration Grant (IRG)** for the project "SAINT-W: Secure Advanced Integrated Layer Design of Wireless Networks", Funded by European Commission, , €80K, 9/2005-9/2007.
- **Visiting Scholarship**, Department of Electrical Engineering, University of Washington, Seattle, USA. Collaboration with Prof. R. Poovendran, 7/2005-8/2005.
- **Writer of funded FET Research Proposal** for project "STAMINA: Statistical Mechanics inspired methods for Green Autonomous Networking", graded with 14.15/15, 2010.
- **Writer of funded Research Proposal** for project "CONNECT: Cooperative Networking for High-capacity Transport Architectures", ranked 1<sup>st</sup> among 65 proposals in FP7 Future Internet Research and Experimentation (FIRE) initiative, 2010.
- **Writer of funded Research Proposal** for project "OPNEX: Optimization driven Multi-hop Network Design and Experimentation", ranked 1<sup>st</sup> among 65 proposals in FP7 Future Internet Research and Experimentation (FIRE) initiative, 2008.
- **Graduate Research Assistantship (GRA)**, Institute for Systems Research, University of Maryland, College Park, 8/1999 – 1/2003.
- **Graduate Fellowship**, Department of Electrical and Computer Engineering, University of Maryland, College Park, 8/1997 – 6/1999.
- **Fulbright Fellowship**, the Fulbright Foundation, 8/1997 – 12/2002, for Graduate Studies in USA.
- **Distinguished academic performance monetary award**, Foundation of Greek Government Scholarships (I.K.Y), 1996, 1997.
- **NSF Student travel awards/grants** to participate as author / presenter in INFOCOM 2001 and INFOCOM 2002.
- **IEEE Communications Society student travel grant** to participate as author and presenter in GLOBECOM 1999, Rio de Janeiro, Brazil.
- **Best student presentation award**, Fall 1999 ECE Department Graduate Seminar Series, University of Maryland, College Park.

## Publications

**21 journal** publications (3 under review) and **56 conference** publications.

### Journal publications list

- J21. K. Choumas, S. Keranidis, T. Korakis, I. Koutsopoulos, L. Tassiulas, F. Juraschek, M. Gunes, E. Baccelli, P. Misiorek, A. Szwabe, T. Salonidis, H. Lundgren, "Optimization-driven Multi-hop Network Design and Experimentation: The Approach of the FP7 project OPNEX", IEEE Communications Magazine, vol. 50, no.6, pp.122-130, June 2012.

- J20. I. Koutsopoulos and S. Stanczak, "The impact of PHY rate control on Energy-efficient estimation in wireless sensor networks", *IEEE Transactions on Wireless Communications*, vol.11, no.9, pp. 3261-3271, Sept. 2012.
- J19. I. Koutsopoulos and L. Tassiulas, "Fast Neighbor Positioning and Medium Access in Wireless Networks with Directional Antennas", *Elsevier Ad hoc Networks*, (Special Issue on Cross-layer design in Ad-hoc and Sensor Networks), vol.11, pp. 614-624, 2013.
- J18. I. Koutsopoulos and L. Tassiulas, "Optimal control policies for power demand scheduling in the Smart Grid", *IEEE Journal on Selected Areas in Communications (Smart Grid Series)*, vol.30, no.6, pp.1049-1060, July 2012.
- J17. G.Iosifidis and I. Koutsopoulos, "Challenges in auction theory driven spectrum management", *IEEE Communications Magazine*, vol.49, no.8, pp.128-135, Aug. 2011.
- J16. I. Koutsopoulos and L. Tassiulas, "Challenges in Demand load control for the Smart Grid", *IEEE Network Magazine*, vol.25, no.5, pp.16-21, Nov. 2011.
- J15. R. Oliveira and I. Koutsopoulos, "Maximum throughput access control in wireless LANs through Max-weight inspired policies", *IEEE Transactions on Vehicular Technology*, vol. 59, no.6, pp. 3036-3046, July 2010.
- J14. G. Iosifidis and I. Koutsopoulos, "Double auction mechanisms for resource allocation in autonomous networks", *IEEE Journal on Selected Areas in Communications*, vol.28, no.1, pp.95-102, Jan. 2010.
- J13. I. Koutsopoulos and G. Iosifidis, "A framework for distributed bandwidth allocation in peer-to-peer networks", *Elsevier Performance Evaluation Journal*, vol.67, no.4, pp.285-298, April 2010.
- J12. M. Li, I. Koutsopoulos and R. Poovendran, "Optimal jamming attacks and network defense strategies in wireless sensor networks", *IEEE Transactions on Mobile Computing*, vol.9, no.8, pp.1119-1133, Aug. 2010.
- J11. I. Koutsopoulos and L. Tassiulas, "Optimal transmission rate control policies in a wireless link under partial state information", *IEEE Transactions on Automatic Control*, vol.55, no.1, pp.127-131, Jan. 2010.
- J10. I. Koutsopoulos and L. Tassiulas, "Carrier assignment algorithms for OFDM-based multi-carrier wireless networks with channel adaptation", *IEEE Transactions on Communications*, vol. 56, no. 12, pp.2190-2199, Dec. 2008.
- J9. S. Radosavac, G. Moustakides, J.S. Baras and I. Koutsopoulos, "An analytical framework for modeling and detecting access layer misbehavior in wireless networks", *ACM Transactions on Information and System Security*, vol.11, no.4, July 2008.
- J8. I. Koutsopoulos and L. Tassiulas, "The impact of space division multiplexing on resource allocation: a unified treatment of TDMA, OFDMA and CDMA", *IEEE Transactions on Communications*, vol.56, no.2, pp.260-269, February 2008.
- J7. I. Koutsopoulos and L. Tassiulas, "Joint optimal access point selection and channel assignment in wireless networks", *IEEE/ACM Transactions on Networking*, vol. 15, no.3, pp.521-532, June 2007.
- J6. I. Koutsopoulos, Ulas C. Kozat and L. Tassiulas, "Dynamic resource allocation in deterministic-code CDMA systems with multi-rate provisioning", *IEEE Transactions on Mobile Computing*, vol.5, no.12, pp.1780-1792, December 2006.
- J5. U. C. Kozat, I. Koutsopoulos and L. Tassiulas, "Cross-layer design and power-efficiency considerations for QoS provisioning in multi-hop wireless networks", *IEEE Transactions on Wireless Communication*, vol.5, no.11, pp.3306-3315, November 2006.

- J4. I. Koutsopoulos and L. Tassiulas, "Cross-layer adaptive techniques for throughput enhancement in wireless OFDM-based networks", *IEEE/ACM Transactions on Networking*, vol.14, no.5, pp.1056-1066, October 2006.
- J3. I. Koutsopoulos and L. Tassiulas, "Adaptive channel assignment in SDMA-based wireless LANs with transceiver resource limitations", *EURASIP Journal on Signal Processing, Special Issue on Signal processing-assisted cross-layer designs*, vol.81, No.8, pp.1879-1895, August 2006.
- J2. I. Koutsopoulos, K.P. Tsoukatos and K. Aggelis, "Physical-layer techniques and maximum throughput scheduling with antenna arrays", *IEEE Communications Letters*, vol. 10, no.6, pp. 465-467, May 2006.
- J1. I. Koutsopoulos and L. Tassiulas, "Efficient resource utilization through carrier grouping for half-duplex communication in GSM-based MEO mobile satellite networks" *IEEE Transactions on Wireless Communications*, vol.1, no.2, pp.342-352, April 2002.

### **Book Chapters**

- BC2. G. Iosifidis and I. Koutsopoulos, Auction driven market mechanisms for dynamic spectrum management, in "Mechanisms and Games for Dynamic Spectrum Allocation" (Edited by T. Alpcan, H. Boche, M. Honig, H. Vincent Poor), Cambridge University Press, 2013.
- BC1. C.-H. Haro, Y. Eldar, L. Gallucio, G. Iosifidis, M. Kountouris, I. Koutsopoulos, X. Matamoros, S. Palazzo and S. Shamai, "The Ultimate Limits of Wireless Networks" in *NEWCOM++ Vision Book*, Springer, 2012.

### **Conference publications list**

- C56. D. Hatzopoulos, I. Koutsopoulos, G. Koutitas, W. van Hedenghem, "Dynamic Virtual Machine Allocation in Cloud Server Facility Systems with Renewable Energy Sources, to appear, *IEEE International Conference on Communications (ICC)*, 2013.
- C55. M. Hadeef, A. Apostolaras, A. Mourad, J. Oreilly, I. Koutsopoulos, T. Korakis and L. Tassiulas, "Energy Efficiency Performance Evaluation of Back-Pressure Driven Cooperative Relay Selection for WiMAX Systems", to appear, *ACM Workshop on Emulation Tools, Methodologies and Techniques (EmuTools)*, Cannes, 2013.
- C54. I. Koutsopoulos, "Optimal Incentive-driven design of participatory sensing systems", to appear, *Proceedings of IEEE INFOCOM 2013*.
- C53. S. Keranidis, W. Liu, M. Mehari, P. Becue, S. Bouckaert, I. Moerman, T. Korakis, I. Koutsopoulos and L. Tassiulas, "CONCRETE: A benchmarking tool to CONTROL and Classify REpeatable Testbed Experiments, *Proceedings of FIRE Engineering Workshop*, 2012, Ghent, Belgium.
- C52. O. Korcak, G. Iosifidis, T. Alpcan and I. Koutsopoulos, "Competition and Regulation in a Wireless Operators Market: An evolutionary game perspective", *Proceedings of Int. Conf. on Network Games, Control and Optimization (NETGCOOP)*, 2012, Avignon, France.
- C51. G. Iosifidis, A. Chorppath, T. Alpcan and I. Koutsopoulos, "Incentive Mechanisms of Hierarchical Spectrum Markets", *Proceedings of Int. Conf. on Network Games, Control and Optimization (NETGCOOP)*, 2012, Avignon, France.
- C50. D. Giatsios, T. Korakis and I. Koutsopoulos, "Dishonest reporting in Queue-based Cross-layer network optimization", *Proceedings of IEEE Int. Workshop on QoS (IWQoS) 2012*, Coimbra, Portugal.
- C49. K. Choumas, T. Korakis, I. Koutsopoulos, and L. Tassiulas, "Implementation and End-to-end Throughput Evaluation of an IEEE 802.11 compliant version of the Enhanced

- Backpressure Algorithm", Proceedings of Int. Conf. on Test-beds and Research Infrastructures for the Development of Networks and Communities (TridentCom), 2012, Thessaloniki, Greece.
- C48. S. Keranidis, D. Giatsios, T. Korakis, I. Koutsopoulos, L. Tassiulas, T. Rakotoarivelo, T. Parmentelat, "Experimentation in Heterogeneous European Test-beds through the OneLab Facility: The case of PlanetLab federation with the wireless NITOS test-bed", Proceedings of Int. Conf. on Test-beds and Research Infrastructures for the Development of Networks and Communities (TridentCom), 2012, Thessaloniki, Greece.
- C47. L. Gatzikis, T. Tryfonopoulos, and I. Koutsopoulos, "An Efficient Probing Mechanism for Next Generation Mobile Broadband Systems", to appear, Proceedings of IEEE Wireless Comm. Networking Conf. (WCNC), 2012, Paris.
- C46. L. Gatzikis, G.S. Paschos and I. Koutsopoulos, "Medium Access Games: The impact of energy constraints", Proceedings of Int. Conf. on Network Games, Control and Optimization (NETGCOOP), 2011, Paris.
- C45. I. Koutsopoulos, V. Hatzi and L. Tassiulas, "Optimal Energy Storage Control Policies for the Smart Power Grid", Proceedings of IEEE Int. Conf. on Smart Grid Communications (SmartGridComm) 2011, Brussels, Belgium.
- C44. I. Kasdaridis, S. Keranidis, A. Fiamengkos, T. Korakis, I. Koutsopoulos and L. Tassiulas, "Novel metrics and Experimentation insights for Dynamic Frequency Selection in wireless LANs", ACM Workshop on Wireless Network Testbeds, Experimental Evaluation and Characterization (WinTECH), (in Mobicom 2011), Las Vegas, NV.
- C43. M. Halkidi and I. Koutsopoulos, "A game theoretic framework for data privacy preservation in Recommender systems", Proceedings of European Conference on Machine Learning and Principles and Practice of knowledge discovery in databases (ECML/PKDD), 2011, Athens, Greece.
- C42. M. Niedermayer, N. Ali, H. de Meer, H. Hlavacs, T. Treutner, L. Lefevre, J.-P. Gelas and I. Koutsopoulos, "Energy monitoring and its impact on individual user privacy", 4<sup>th</sup> Future Internet Cluster Workshop, 2011, Budapest.
- C41. I. Koutsopoulos and L. Tassiulas, "Control and Optimization meet the Smart Power Grid: Scheduling of power demands for optimal energy management", Proceedings of Int. Conf. on Energy-Efficient Computing and Networking (E-Energy), 2011, New York, NY.
- C40. I. Koutsopoulos, "Competition and Cooperation in Wireless Access Misbehavior", Proceedings of WiOpt 2011, Princeton, NJ.
- C39. S. Keranidis, T. Korakis, I. Koutsopoulos and L. Tassiulas, "Contention and Traffic Load-aware Association in IEEE 802.11 WLANs: Algorithms and Implementation", Proceedings of International Workshop on Wireless Network Measurements (WinMEE) (in WiOpt 2011), Princeton, NJ.
- C38. M. Halkidi and I. Koutsopoulos, "Online Clustering of Distributed Streaming Data using Belief Propagation Techniques", Proceedings of Int. Conf. on Mobile Data Management 2011, Lulea, Sweden.
- C37. G. Kyriakou, D. Stavropoulos, I. Koutsopoulos, T. Korakis and L. Tassiulas, "A framework and experimental study for discrimination of collision and channel errors in wireless LANs", Proceedings of Int. Conf. on Test-beds and Research Infrastructures for the Development of Networks and Communities (TridentCom), 2011, Shanghai, China.
- C36. G. Iosifidis, I. Koutsopoulos and G. Smaragdakis, "The impact of storage capacity on end-to-end delay in dynamic networks", Proc. IEEE INFOCOM 2011, Shanghai, China.

- C35. I. Koutsopoulos, S. Stanczak and A. Feistel, "Transmit rate control for energy efficient estimation in wireless sensor networks", Proceedings of IEEE Global Telecommunications Conference (GLOBECOM) 2010, Miami, FL.
- C34. I. Koutsopoulos and G. Iosifidis, "Auction mechanisms for Network Resource allocation", Proceedings of Workshop on Resource Allocation in Wireless Networks (RAWNET), (in WiOpt 2010), Avignon, France. (invited paper)
- C33. I. Koutsopoulos and M. Halkidi, "Measurement aggregation and routing techniques for Energy-efficient Estimation in Wireless Sensor Networks", Proceedings of IEEE WiOpt, 2010, Avignon, France.
- C32. L. Gatzikis and I. Koutsopoulos, "Low complexity algorithms for Relay Selection and power control in interference-limited environments", Proceedings of IEEE WiOpt, 2010, Avignon, France.
- C31. I. Koutsopoulos and M. Halkidi, "Lifetime maximization in wireless sensor networks with an Estimation mission", Proceedings of IEEE Global Telecommunications Conference (GLOBECOM), 2009, Hawaii.
- C30. K. Pelechrinis, I. Koutsopoulos, I. Broustis, and S. Krishnamurthy, "Lightweight Jammer Localization in wireless networks: System design and implementation", Proceedings of IEEE Global Telecommunications Conference (GLOBECOM), 2009, Hawaii.
- C29. C. Papathanasiou, I. Koutsopoulos, and L. Tassiulas, "Low complexity beam-forming techniques for IEEE 802.11n WLANs" Proceedings of IEEE Vehicular Technology Conference (VTC) 2009-Fall, Anchorage, Alaska.
- C28. I. Koutsopoulos, L. Tassiulas and L. Gkatzikis, "Client and server games in peer-to-peer networks", υπό εμφάνιση, Proceedings of IEEE International Workshop on QoS (IWQoS), 2009, Charleston, SC.
- C27. C. Papathanasiou, I. Koutsopoulos and L. Tassiulas, "Interference mitigation in co-existing 802.11n WLANs", Proceedings of Wireless Telecommunications Symposium 2009, Prague Czech Republic.
- C26. R. Oliveira and I. Koutsopoulos, "Queue and channel state awareness for maximum throughput Access control in CSMA/CA based wireless LANs", Proceedings of IEEE Wireless Communications and Networking Conference (WCNC), 2009, Budapest, Hungary.
- C25. I. Koutsopoulos and G. Iosifidis, "Distributed resource allocation algorithms for peer-to-peer networks", Proceedings of ACM International Conference on Performance Evaluation and Tools (VALUETOOLS), 2008, Athens, Greece.
- C24. I. Koutsopoulos and G. Iosifidis, "Reputation-assisted utility maximization algorithms for peer-to-peer networks", Proceedings of IEEE International Workshop on QoS (IWQoS), 2008, Twente, Netherlands.
- C23. R. Oliveira, L. Bernardo, P. Pinto and I. Koutsopoulos, "On service time estimation in 802.11 WLANs with heterogeneous sources", Proceedings of IEEE International Symposium on Wireless Communication Systems (ISWCS) 2008, Reykjavik, Iceland.
- C22. M. Li, I. Koutsopoulos and R. Poovendran, "Optimal jamming attacks and defense strategies in wireless sensor networks", Proceedings of IEEE INFOCOM 2007, Anchorage, Alaska.
- C21. C. Verikoukis, L. Alonso and I. Koutsopoulos, "Performance evaluation of directional antenna-assisted MAC protocols in the presence of mobility", Proceedings of IST Mobile Summit 2006, Mykonos, Greece.

- C20. S. Radosavac, J.S. Baras and I. Koutsopoulos, "A framework for MAC layer misbehavior detection in wireless networks", Proceedings of ACM Workshop on Wireless Security (in Mobicom 2005), Cologne, Germany.
- C19. I. Koutsopoulos, S. Toumpis and L. Tassiulas, "On the relation between source and channel coding and sensor network deployment", Proceedings of International Workshop on wireless ad-hoc networks (IWWAN) 2005, London.
- C18. A. Penttinen, I. Koutsopoulos and L. Tassiulas, "Low-complexity distributed fair scheduling for wireless multi-hop networks", First Workshop on Resource Allocation in Wireless Networks (RAWNET), (in WiOpt 2005), Riva del Garda, Italy.
- C17. U.C. Kozat, I. Koutsopoulos and L. Tassiulas, "A framework for cross-layer design of Energy-Efficient Communication with QoS provisioning in Multi-hop wireless networks", Proceedings of INFOCOM 2004, vol.2, pp.1446-1456, Hong Kong.
- C16. I. Koutsopoulos and L. Tassiulas, "Adaptive channel allocation in OFDM/SDMA wireless LANs with limited transceiver resources", Proceedings of Third IFIP-TC6 Networking Conference 2004, Athens, Greece and Lecture Notes in Computer Science, vol.3042, pp.1384-1389, 2004.
- C15. I. Koutsopoulos, T. Ren and L. Tassiulas, "The impact of Space Division Multiplexing on resource allocation: A unified approach", Proceedings of INFOCOM 2003, vol.1, pp.533-543, San Francisco.
- C14. I. Koutsopoulos and L. Tassiulas, "Adaptive resource allocation in SDMA-based wireless broadband networks with OFDM signaling", Proceedings of IEEE INFOCOM 2002, vol.3, pp.1376 -1385, New York.
- C13. U.C. Kozat, I. Koutsopoulos and L. Tassiulas, "Dynamic code assignment and spreading gain adaptation for synchronous CDMA wireless networks", Proceedings of IEEE International Symposium on Spread Spectrum Techniques and Applications (ISSSTA) 2002, vol.2, pp.593-597, Prague, Czech Republic.
- C12. I. Koutsopoulos, T. Ren and L. Tassiulas, "Efficient media access protocols for wireless LANs with smart antennas", Proceedings of IEEE Wireless Communications and Networking Conference (WCNC) 2003, vol.2, pp. 1286-1290, New Orleans.
- C11. T. Ren, I. Koutsopoulos and L. Tassiulas, "QoS provisioning for real-time traffic in wireless packet networks", Proceedings of IEEE Global Telecommunications Conference (GLOBECOM) 2002, vol.2, pp.1673-1677, Taipei, Taiwan.
- C10. I. Koutsopoulos and L. Tassiulas, "Link adaptation policies for wireless broadband networks", Proceedings of IEEE Global Telecommunications Conference (GLOBECOM) 2001, vol.1, pp.572-576, San Antonio, Texas.
- C9. I. Koutsopoulos and L. Tassiulas, "Channel-state adaptive techniques for throughput enhancement in wireless broadband networks", Proceedings of IEEE INFOCOM 2001, vol.2, pp.757-766, Anchorage, Alaska.
- C8. I. Koutsopoulos and L. Tassiulas, "Carrier assignment algorithms in wireless broadband networks with channel adaptation", Proceedings of IEEE International Communications Conference (ICC) 2001, vol.5, pp.1401-1405, Helsinki, Finland.
- C7. I. Koutsopoulos and L. Tassiulas, "A synchronization-based scheme for simultaneous full- and half-duplex communication in GSM-based MEO mobile satellite networks", Proceedings of IEEE Global Telecommunications Conference (GLOBECOM) 1999, vol.1A, pp.276-280, Rio de Janeiro, Brazil.



- C6. I. Koutsopoulos and L. Tassiulas, "Joint base station and channel allocation in mobile cellular networks", Proceedings of IEEE International Communications Conference (ICC) 2000, vol.3, pp.1558-1562, New Orleans, LA.
- C5. I. Koutsopoulos, A. Savvides, D. Connors and S.K. Dao, "Intra-team multi-hop broadcasting (ITMB): a MAC layer protocol for efficient control signaling in wireless ad-hoc networks", Proceedings of IEEE International Communications Conference (ICC) 2000, vol.3, pp.1723-1727, New Orleans, LA.
- C4. I. Koutsopoulos and L. Tassiulas, "Reliable handover prediction and resource allocation in MEO mobile satellite networks", Proceedings of IEEE/IMACS Circuits, Systems, Communications Conference 1999, Athens, Greece.
- C3. I. Koutsopoulos and L. Tassiulas, "A unified framework for handover prediction and resource allocation in non-geostationary mobile satellite networks", Proceedings of IEEE Vehicular Technology Conference (VTC) 1999 Fall, vol.4, pp.2106-2110, Amsterdam, Netherlands.
- C2. I. Koutsopoulos and P. Constantinou, "Joint channel estimation and satellite antenna power control in mobile satellite networks using ray tracing", Proceedings of IEEE Vehicular Technology Conference (VTC) 2000 Spring, vol.2, pp.1586-1590, Tokyo, Japan.
- C1. T. Sofos, I. Koutsopoulos and P. Constantinou, "A deterministic ray-tracing based model for land mobile satellite channel in urban environment", Proceedings of IEEE Vehicular Technology Conference (VTC) 1998, vol.1, pp. 658-660, Vancouver, Canada.

#### **Demos**

- D8 A. Apostolaras, I. Syrigos, I. Kazdaridis, K. Choumas, T. Korakis, I. Koutsopoulos, A. Argyriou, and L. Tassiulas, . "A Demonstration of a Relaying Selection Scheme for Maximizing A Diamond Network's Throughput", in TridentCom, 2012.
- D7. V. Maglogiannis, D. Giatsios, G. Kazdaridis, T. Korakis, I. Koutsopoulos, and L. Tassiulas, "Integrating sensor measurements through CM cards as an OMF service ", in TridentCom, 2012.
- D6. K. Choumas, T. Korakis, I. Koutsopoulos, and L. Tassiulas., "A Demonstration of Video over an IEEE 802.11 compliant version of the Enhanced-Backpressure algorithm", in TridentCom, 2012.
- D5. V. Passas, S. Keranidis, T. Korakis, I. Koutsopoulos, and L. Tassiulas. An Experimental Framework for Channel Sensing through USRP/GNU Radios", in TridentCom, 2012.
- D4. I. Kazdaridis, S. Keranidis, H. Niavis, T. Korakis, I. Koutsopoulos, and L. Tassiulas, "An Integrated Chassis Manager Card Platform featuring multiple sensor modules", in TridentCom, 2012 (Best Demo award).
- D3. N. Makris, S. Keranidis, D. Giatsios, T. Korakis, I. Koutsopoulos, L. Tassiulas, T. Rakotoarivelo and T. Parmentelat, "Cross-test-bed experimentation using the PlanetLab-NITOS federation, in TridentCom, 2012.
- D2. G. Kasdaridis, S. Keranidis, A. Fiamegkos, T. Korakis, I. Koutsopoulos, L. Tassiulas, "Dynamic Frequency selection through collaborative reporting in WLANs", in ACM Mobicom 2011.
- D1. S. Keranidis, I. Koutsopoulos, T. Korakis, L. Tassiulas, "An experimental framework for data gathering and analysis in wireless sensor networks", ACM WINTECH 2011.

#### **Patents**

PI D. Connors and I. Koutsopoulos, "Apparatus and method for intra-team multi-hop broadcasting for efficient control signaling in wireless ad-hoc networks, US *Patent No.7,542,426, United States Patent and Trademark Office, 2009.*

### Citations

981, as of February 2013 (source: Google Scholar / Publish or Perish), h-index = 13

## Funded Research Projects

*European Projects where I. Koutsopoulos acts as PI, co-PI or technical coordinator*

- **European Research Council (ERC) competition runner-up award** (co-funded by Greece and the European Union (European Social Fund) through the Operational Program "Education and lifelong learning - NCRF 2007-2013), for the project "RECITAL: Resource Management for Self-coordinated Autonomic Wireless Networks", €90K (single investigator), 2012-2015.
- **Samsung Global Research Outreach (GRO) Innovations program award** for the project "NETSTAT: Network inference and optimization with statistical physics methods", 2012-2013, €200K, co-PI (with L. Tassiulas)
- **European Commission** "Statistical Mechanics Inspired Methods for Green Autonomous Networking" (STAMINA) ICT FP7 STREP, budget 2.6M, EU funding 2M; CERTH budget 659K, EU funding 560K, (proposal writer and project technical coordinator and co-PI, with L. Tassiulas), 2011-2013.
- **European Commission** "Cooperative Networking for High Capacity Transport Architectures" (CONNECT) ICT FP7 STREP, budget 2.8M, EU funding 2M; CERTH budget 605K, EU funding 490K, (proposal writer and project technical coordinator and co-PI, with L. Tassiulas), 2010-2013.
- **European Commission** "Adaptive, heterogeneous, incentive-compatible, localized and secure networking (AGILENET)", Marie Curie IRSES project, budget €190K, UTH budget €8K. project leader on behalf of UTH), 2011-2013.
- **European Commission** "Optimization driven multi-hop Network design and Experimentation" (OPNEX) ICT FP7 STREP 224218, budget 2.2M, EU funding 1.4M; CERTH budget 539K, EU funding 430K, (proposal writer and project technical coordinator and co-PI, with L. Tassiulas), 2008-2011. design and implementation of access, network and transport layer wireless network protocols based on optimization theory.
- **European Commission** "Network Coding for Robust Architectures in Volatile Environments" (N-CRAVE) ICT FP7 STEP 215252 budget 3.57M, EU funding: 2.36M; CERTH budget 700K EU funding 560K, (proposal writer), 2007-2010. Theory, design and implementation of network coding based wireless network protocols.
- **European Commission** "Networking Research Foundations and Trends" (NeTRefound) IST FP6 STREP 034413 budget 2.5M EU funding 1.7M; CERTH budget 761K, EU funding 436K, (proposal writer and project co-PI, with L. Tassiulas) 2006-2009. Fundamental performance limits and network information theory, autonomous operation of network entities

*National Projects where I. Koutsopoulos acts or has acted as PI, co-PI or technical coordinator*

- **Ministry of National Education**, "Wireless Network Coding for practical systems (WiNC), program POSTDOC, coordinator, €150K.
- **Greek Government Scholarship Foundation** for bi-lateral collaboration with Deutsche Telekom Labs, Germany, for the project "Optimal management of storage in communication networks and cloud systems", €10K, 2012-2013.
- **Greek Secretariat for Research and Technology (GSRT)**, Program for Scientific and Technological Cooperation Greece - Turkey, for the project "Design Of Algorithms For Ensuring Timely and Secure Data Delivery In Wireless Networks", 2006-2008 (Project Coordinator), €15K.

*European Projects where I. Koutsopoulos participates or has participated*

- **European Commission** "European Internet Science" (EINS) ICT FP7 NoE, 2011-2014. Economics inspired network resource allocation, information privacy.
- **European Commission** "Forensic Laboratory for in-situ evidence analysis in a post blast scenario (FORLAB)", SEC FP7 STREP project.
- **European Commission** "Towards Real Energy-efficient Network Design" (TREND), ICT FP7 NoE, 2010-2013. Energy-efficiency in networking and smart grid.
- **European Commission** "Control for Coordination of Distributed Systems (Con4Coord)" - ICT FP7 STREP, (2008-2011). Distributed sensor network control algorithms for optimal estimation.
- **European Commission** Network of Excellence in Wireless Communications ++ (NEWCOM++) – ICT FP7 NoE, 2008 – 2011. Coordination of subproject on Network Theory.
- **European Commission** "An all-wireless Mobile Network Architecture (WIP)", IST FP6 STREP Project, 2006-2009. Design and implementation of resource allocation algorithms for wireless mesh networks.
- **European Commission** Network of Excellence in Wireless Communications (NEWCOM) – IST FP6 NoE, 2004 – 2007. Coordination of sub-project on cross-layer optimization.
- **European Commission** CRUISE (Creating Ubiquitous Intelligent Sensing Environments) – IST FP6 NoE on sensor networks, 2006-2008. Architectural design and security issues in Wireless Sensor Networks.

*National Projects where I. Koutsopoulos participates or has participated*

- **Ministry of National Education** "Optimal Control of Self-organized Wireless Networks" (CROWN) Program Thales, 2011-2014.
- **Greek Secretariat for Research and Technology (GSRT)** "Converging FTTx and Broadband Heterogenous Wireless Services over Next-Generation Radio-over-Fiber Passive Optical Networks" Program COOPERATION, 2011-2014.
- **Greek Secretariat for Research and Technology (GSRT)**, "Resource management and security in broadband wireless networks" program PENED, 2005-2008.

## Invited Research Talks

- "Game theoretic framework for privacy preservation in recommendation systems", Yahoo! Research labs, Barcelona, Sept. 2012.

- “Games and Optimization for Wireless Resource Allocation”, Communications and Networking Research Group, EECS Dept., MIT, March 2011.
- “Auction Mechanisms for Network Resource Allocation”, Institute for Telematics and Informatics, CERTH, Oct. 2010.
- “Client and Server Games in Peer-to-peer networks”, Young European Queuing Theorists Workshop (YEQT) III, Eindhoven, Nov. 2009.
- “Energy efficient estimation and spatial correlation in wireless sensor networks”, Fraunhofer Institute - MCI German Sino Lab, Berlin, Nov. 2009.
- “Distributed optimization, game theory and reputation in peer-to-peer networks”, Thomson Research Lab, Paris, April 2009.
- “Distributed Bandwidth Allocation Algorithms for peer-to-peer networks”, Politecnico di Torino, February 2009.
- “Challenges in Resource Allocation and Intrusion Detection in distributed wireless environments”, TUC, Crete, Aug. 2008.
- “Resource allocation and security issues in wireless networks”, University of California, Riverside, February 2008.
- "A statistical framework for modeling wireless network attacks", Workshop on Security and Wireless Sensor Networks, PIMRC 2007, Athens, September 2007.
- "Security and spectrum allocation issues in Cognitive Radio networks", NEWCOM Workshop on Flexible radio, IMEC, Belgium, February 2007.
- Lectures: "From fundamental to modern aspects of wireless communications" and "Advanced topics in ad-hoc and sensor networking", Summer School "Advances in Beyond 3G Wireless Communications and Networks", Santorini, September 2006.
- "Issues in wireless network security and misbehavior", Institute Mechanique and Electrotechnique (IMEC), Leuven, Belgium, September 2006.
- "Advances in Cross-layer designs of wireless networks", NEWCOM Workshop, in conjunction with ICC 2006, Istanbul, Turkey, June 2006.
- "Security of Wireless Networks and protection from malicious attacks", 2nd Balkan Security Forum, Thessaloniki, June 2006.
- "Access layer misbehavior detection issues in wireless networks", University Polytechnic Catalunya (UPC), Barcelona, Spain, April 2006.
- "Challenges in access layer misbehavior detection in wireless networks", Technical University of Denmark, Copenhagen, March 2006.
- "A framework for MAC layer misbehavior detection in wireless networks", University of Washington, Seattle, June 2005.
- "Security and Legitimate Protocol operation in wireless networks", Workshop on Security of Broadband Wireless Networks, European Parliament, Brussels, Belgium, May 2005.
- "Cross-layer based resource allocation and CSI management in wireless networks", Forschungszentrum Telekommunikation Wien (FTW), Vienna, Austria, April 2005.
- "Cross-layer design considerations for energy-efficient multimedia transmission in wireless multi-hop networks", NEWCOM Workshop "Wireless Week in Bologna", Bologna, Italy, January 2005.
- "Cross-layer design issues in wireless networks", Centre Technologic de Telecommunications de Catalunya (CTTC), Barcelona, Spain, September 2004.

- "Resource allocation issues in broadband wireless networks with OFDM signaling", University of Maryland Baltimore County (UMBC), December 2002.
- "Wireless broadband networks: Where is the key to heaven?", Graduate Seminar Series, Department of Electrical and Computer Engineering, University of Maryland College Park, December 1999.

## **Student supervision**

### **Doctoral dissertations supervised**

- George Iosifidis, "Spectrum and Storage Capacity Management methods using network economics and optimization methods", May 2012; post-doctoral researcher at Centre for Research and Technology Hellas
- Lazaros Gatzikis : Energy efficiency in wireless networks and smart grid systems (2/ 2008 - present)
- Stratos Keranidis: Implementation of resource allocation algorithms in WLANs (09/2008 – present)
- Vassiliki Hatzi: Smart Grid privacy and control methods (4/2010-present)
- Konstantinos Poularakis: Game theory and information markets (8/2011-present). Co-supervised with L. Tassiulas.

### **Participation in Ph.D. committee**

- Ioanna Papafili, "Incentive Mechanisms for Overlay Traffic Management", AUEB.
- Alexandros Kostopoulos, "Research on Economic Mechanisms and Incentives for Technologies of Future Internet", AUEB, 10/12.
- Pantelis Frangoudis, "User centricism in wireless networking, AUEB, 4/2012.
- Elli Kartsakli, "Cross-layer Design and Optimization of Medium Access Control Protocols for WLANs", University Polytechnic Catalonia (UPC), 2/2012.
- Christos Papathanasiou, "Radio resource management with Cross-layer designs in broadband wireless access", UTH, 12/2010.
- Anna Satsiou, "Cooperation and Fair Resource allocation in communication networks", UTH, 11/2010.
- Ioannis Socratous, "Generalized robust estimators for a class of systems", University of Cyprus, 8/2010.
- Dimitrios Zisiadis, "Security and Network Management in modern telecommunications networks", UTH, 7/2010.
- Konstantinos Katsaros, "An information-centric overlay network architecture for content distribution and mobility support", AUEB, 07/2010.
- Filippos Koravos, "Resource allocation and defense against DoS attacks in peer-to-peer networks", UTH, 8/2008.
- George Athanasiou, "Cross-layer resource allocation algorithms in wireless networks", UTH, 6/2009.
- Sofie Pollin, "Cross-layer resource allocation for quality of service and energy optimization in wireless networks, Katholic University of Leuven, Belgium, 9/2006.

- Eleftherios Karipidis, “Transmit beam-forming to multiple co-channel multi-cast groups”, Technical University of Crete, 08/2008/

### **M.Sc. Theses supervised**

- Dionysios Plakias: Social Networks and privacy (ongoing)
- Dimitrios Hatzopoulos: Energy-efficiency in cloud computing (ongoing).
- Dimitrios Papadimitriou: Wireless networks and storage management (ongoing).
- Dimitrios Giatsios: Misbehavior in cross-layer network optimization (Nov. 2011)
- Vasilis Miliotis : Spectrum sensing algorithms in wireless cognitive networks (completed, June 2008)
- George Iosifidis : Peer-to-peer network optimization algorithms for utility maximization (May 2007)
- Konstantinos Aggelis : Scheduling and beam-forming methods for maximum throughput in wireless networks (June 2005)

### **Undergraduate Theses supervised**

- Vassiliki Georgoudi: Data analytics for recommendation systems (2012)
- Dimitrios Hatzopoulos: Game theoretic approaches on the interference channel (2010).
- Georgios Kyriakou, Donatos Stavropoulos: Collision discrimination algorithms in wireless LANs (co-supervised with T. Korakis) (2010)
- Trifonas Trifonopoulos : Coping with inaccurate state information in IEEE 4G 802.16m networks (2010)
- George Zotos : Backpressure delay aware algorithms for wireless networks (2009)
- Efstratios Keranidis, Vaggelis Galanis : Implementation of Network Coding methods in wireless IEEE 802.11 cards (2008)
- Vassiliki Hatz: Distributed detection of attacks in wireless networks (2008)
- Lazaros Gatzikis: Peer-to-peer network algorithms for file retrieval delay minimization (2006)
- George Tihogiorgos: Peer-to-peer network algorithms for file retrieval delay minimization (2006)
- Apostolia Papapostolou: Relay-assisted cooperative communications and networking (2006)
- Ioanna Papafili : Resource allocation and spatial processing techniques for wireless systems with multiple receiver antennas (2006)
- Christos Zaharakopoulos: QoS provisioning techniques in peer-to-peer networks (2005)
- Dimitris Batzogiannis: Joint 3-layer designs for wireless networks (2005)

## **Teaching Experience**

### **Development of new courses**

- EE 568 "Network Optimization" (5th year undergraduate, UTH): covers topics in numerical one- and many-variable optimization, linear and non-linear programming, convex optimization, and their applications in network modeling and performance analysis. Fall 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011.

- EE 569 "Advanced topics in networking: Game theory" (5<sup>th</sup> year undergrad / co-listed as grad, UTH): covers topics in game theory, Nash equilibria, auctions, and their applications in network modeling, Fall 2010.
- EE 440 "Wireless Communications" (3<sup>rd</sup> year undergrad, UTH): covers topics in wireless propagation modeling, channel access and signaling, power control. Spring 2003, 2005, 2006, 2007, 2012.
- EE 684 "Wireless Communication Networks (grad, UTH): covers topics in stochastic control, dynamic programming and Lyapunov optimization and their application in wireless network optimization problems. Spring 2011, 2012.

### **Courses taught**

- "Mobile and Pervasive Systems" (grad, AUEB), Spring 2013 (co-teaching).
- "Performance Analysis of Networks and Systems (grad, AUEB), Spring 2013 (co-teaching).
- EE 342 "Digital Communications", (3<sup>rd</sup> year core undergrad, UTH), Spring 2009, 2010.
- EE 546 "Estimation and Detection Theory", (4<sup>th</sup> year undergrad, UTH), Spring 2008, 2009, 2010.
- "Estimation and Detection Theory", (grad, UTH), Fall 2008, 2009.
- EE 448 "Information and Coding Theory", (5<sup>th</sup> year undergrad, UTH), Fall 2006, 2007, 2011.
- EE 564 "Computer Networks II" (4<sup>th</sup> year undergrad, UTH) – Spring 2006 (co-teaching with L. Tassiulas).
- "Advanced topics in Networking" (grad, UTH), Fall 2004, 2006.
- EE 310 "Mathematics for Telecommunications" (3<sup>rd</sup> year undergrad, UTH), Spring 2003 (co-teaching)

### **Lecture Notes**

- I. Koutsopoulos, Lecture Notes for the class "Information and Coding Theory", (9<sup>th</sup> semester), Department of Computer and Telecommunications Engineering, University of Thessaly.
- I. Koutsopoulos, Lecture Notes for the class "Advanced topics on Networking", (9<sup>th</sup> semester), Department of Computer and Telecommunications Engineering, University of Thessaly.
- I. Koutsopoulos, Lecture Notes for the class "Wireless Communications" (6<sup>th</sup> semester), Department of Computer and Telecommunications Engineering, University of Thessaly.
- I. Koutsopoulos, Lectures Notes for the class "Estimation and Detection theory" (8<sup>th</sup> semester).

### **Related activities**

- Translation (in greek) of book "Network Security Essentials", by W. Stallings. (2005 – 2006)
- Translation (in greek) of book "Fundamentals of Wireless Communications", by D. Tse and P. Viswanath ( 2007-2008)

### **Miscellaneous teaching activities**

- 9/1996 - 6/1997: Teaching assistant of GRE, Hellenic American Union, Athens, Greece.
- Grader for undergraduate courses in communications, probability and electromagnetism, University of Maryland, College Park, 1998-1999.
- Student tutor for undergraduate studies in Engineering Probability, University of Maryland, College Park, Spring 1998-Fall 1999.

## **Professional Affiliations and service**

- TPC co-chair: International Workshop on "Networking across disciplines: Communication networks, complex systems and statistical physics (NETSTAT), in conjunction with IEEE ICC 2013.
- TPC Co-chair: International Workshop on Resource Allocation and Cooperation in Wireless Networks (RAWNET), in WiOpt 2012

## **Technical Program Committee Member**

- Int. Conf. on Network Games, Control and Optimization (NetGCoop), 2012.
- IEEE Int. Conf. on Smart Grid Communications (SmartGridComm), 2012.
- ACM Int. Symp. on Mobile Adhoc Networking and Computing (Mobihoc), 2009, 2013.
- IEEE INFOCOM 2009, 2010, 2011, 2012, 2013, 2014.
- Workshop on Internet Trust, Reputation, Identity and Privacy, 2012.
- IEEE 1st Int. Black Sea Conf. on Communications and Networking (BlackSeaCom), 2013.
- IEEE Workshop on Novel Approaches to Energy Management and Evaluation in Wireless Networks, in conjunction with IEEE Int. Conf. on Communications (ICC), 2012.
- Conference on Decision and Game Theory for Security (GameSec) 2010, 2011.
- International Symposium on Modeling and Optimization in Mobile, Ad-hoc and Wireless networks (WiOpt) 2006, 2007, 2009, 2010, 2011, 2012, 2013.
- ACM Conf. on Performance Evaluation Methodologies and Tools (VALUETOOLS) 2008, 2009, 2010, 2011, 2012.
- Int. Conf. on Sensors and Ad-Hoc Communications and Networks (SECON) 2008, 2012
- Int. Workshop on QoS (IWQoS) 2010, 2011, 2012
- IEEE Int. Workshop on Signal Processing Advances in Wireless Communications (SPAWC), 2012.
- Int. Conf. on Test-beds and Research Infrastructures for the development of networks and communities (TRIDENTCOM), 2011, 2012
- Int. Conf. on Telecommunications (ICT), 2011
- Int. Conf. on Computer Communication Networks (ICCCN), 2012.
- Consumer Communications and Networking Conference (CCNC) 2008, 2009
- IEEE Personal Indoor Mobile Radio Conference (PIMRC) 2008, 2010
- IEEE Int. Conf. on Acoustics, Speech and Signal Processing (ICASSP), 2008, 2009, 2010, 2011, 2012
- Int. Symp. on a World on Wireless, Mobile and Multimedia Networks (WoWMoM), 2010
- IEEE Veh. Tech. Conf. (VTC), 2009, 2010
- Int. Conf. On Mobile Lightweight Wireless Systems (MOBILIGHT), 2010
- Tyrrhenian International Workshop on Digital Communications (TIWDC), 2009
- TPC Member, 1st International Workshop on Security for Mobile Wireless Communications (SeMIC) 2008.
- Workshop on Secure Network Protocols (NPsec), 2005, 2006, 2007, 2008
- Int. Symp. on Modeling, Analysis and Simulation of Wireless and Mobile Systems (MSWiM), 2005, 2006.



## **Other**

- Journal Reviewer: IEEE Transactions on Information Theory, IEEE Transactions on Smart Grid, IEEE/ACM Transactions on Networking, IEEE Transactions on Mobile Computing, IEEE Transactions on Wireless Communications, IEEE Transactions on Parallel and Distributed Systems, IEEE Transactions on Network and Service Management, IEEE Communications Letters, IEEE Transactions on Information Forensics and Security, IEEE Transactions on Signal Processing, IEEE Transactions on Communications, EURASIP Signal Processing Journal, EURASIP Journal on Wireless Communications and Networking, Elsevier Wireless Networks.
- Conference Reviewer: IEEE INFOCOM (1999-2007), IEEE International Symposium on Information Theory (ISIT), ACM SIGMETRICS, ACM MOBICOM, ACM MobiHoc, IEEE WiOpt, IEEE International Conference on Acoustics Speech and Signal Processing (ICASSP), IEEE ICC, IEEE GLOBECOM, IEEE WCNC, IEEE CDC.
- Member of IEEE (Communications, Information Theory, Signal Processing Societies)
- Member of Technical Chamber of Greece (T.E.E).
- Local Arrangements Chair in Information Theory Workshop (ITW) 2009.

## **Personal Information**

- Birth date and place: December 17, 1974, Athens, Greece
- Citizenship: Greek
- Military obligations: fulfilled
- Languages: English, German (fluently), French (moderate), Spanish (basic), Greek (native).

## **Brief Curriculum Vitae**

Jordanis Koutsopoulos is Assistant Professor at the Department of Computer Science of Athens University of Economics and Business (AUEB) since 2013.

He was born on December 17, 1974 in Athens, Greece. He obtained the Diploma in Electrical and Computer Engineering from the National Technical University of Athens (NTUA), Greece, in 1997 and the M.S and Ph.D degrees in Electrical and Computer Engineering from the University of Maryland, College Park (UMCP) in 1999 and 2002 respectively.

From 2010 to 2013 he was Assistant Professor with the Department of Computer Engineering and Communications, University of Thessaly. From 2005 to 2010 he was Lecturer in the same department. He is also affiliated with Center for Research and Technology Hellas, Institute for Telematics and Informatics (CERTH-ITI). During the summer of 2005 he has held a visiting scientist position with the University of Washington, Seattle, USA. During his sabbatical in Fall 2012 he was a Visiting Research Scientist with Yahoo! Research Labs, Barcelona, Spain.

He was awarded a European Research Council (ERC) competition runner-up award (co-funded by Greece and the European Union (European Social Fund) through the Operational Program "Education and lifelong learning - NCRF), for the project "RECITAL: Resource Management for Self-coordinated Autonomic Wireless Networks", €90K (single investigator), 2012-2015.

From 1997 to 2002 he was a Fulbright Fellow and a Graduate Research Assistant with the Institute of Systems Research (ISR) of UMCP. He has held internship positions with Hughes Network Systems (HNS), Germantown, MD, Hughes Research Laboratories LLC, Malibu, CA, and Aperto Networks Inc., Milpitas, CA, in the summers of 1998, 1999 and 2000 respectively.

His research interests are in the general area of network control and optimization.