

# THANASIS KORAKIS

Electrical and Computer Engineering Department  
University of Thessaly  
Glavani 37  
Volos, Greece, 38221

Phone: +30 2421 306070  
Email: korakis@uth.gr

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## Personal Information

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**Date of birth:** December 4 1972; **Place of birth:** Ioannina, Greece; **Citizenship:** Greek

## Education

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**PhD, 2001-2005, Electrical & Computer Engineering Dept, University of Thessaly, Volos, Greece**  
PhD Thesis: "Providing Quality of Service in Broadband Wireless Networks with Directional Antennas"

**MS, 1995-1997, Dept of Informatics, University of Athens, Athens, Greece**  
Master Thesis: "Study and Simulation of a MAC Protocol in a Wireless ATM LAN Network"

**BS, 1990-1994, Dept of Informatics, University of Athens, Athens, Greece**  
Graduate Thesis: "Study and Performance evaluation of the Parallel Machine Parcytec GSeI / 3-512"

## Positions

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### **Assistant Professor, 2014 – present**

Electrical & Computer Engineering Department, University of Thessaly, Volos, Greece

### **Lecturer, 2013 – 2014**

Electrical & Computer Engineering Department, University of Thessaly, Volos, Greece

### **Associate Researcher, 2013 – present**

Center for Research and Technology Hellas (CERTH), Volos, Greece

### **Research Assistant Professor, 2007 – 2013**

Electrical & Computer Engineering Dept, NYU Polytechnic School of Engineering, Brooklyn, NY

### **Research Scientist, 2005 – 2007**

Electrical & Computer Engineering Dept, Polytechnic Institute of NYU, Brooklyn, NY

### **Visiting Researcher, 2004**

Computer Science & Engineering Dept, University of California, Riverside, CA

### **Research Assistant, 2001 - 2005**

Center for Research and Technology Hellas (CERTH), University of Thessaly, Volos, Greece

### **Research Assistant, 1995 - 1997**

Department of Informatics, University of Athens, Athens, Greece

## Honors – Awards

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- **Best Paper Award** at **CloudComp 2015**, Daejeon, South Korea, October 2015
- **Best Paper Award** at **ACM WiNTECH 2013**, Miami, FL, September 2013
- **Best Paper Award** at **GREE 2013 (GENI Research and Educational Experiment Workshop)**, Salt Lake City, Utah, March 2013
- **Best Demo Award** at **Tridentcom 2012**, Thessaloniki, Greece, June 2012
- **Third prize** at the contest of **ACM WiNTECH 2008** for the best demo award for new technologies in wireless networks
- **Ericsson Award of Excellence in Telecommunications**, 2006 - PhD studies
- **Greek State Scholarship's Foundation (IKY)**, 2002-2005, Scholarship - PhD studies

## Professional Services

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- **Chair** of **MobiNEAT** (Mobile Networking Experimentation and Applications using large scale Testbeds) 2016
- **Chair** of **WinMEE** (Wireless Networks: Measurements and Experimentation) 2016
- **Chair** of **CNERT** (International Workshop on Computer and Networking Experimental Research using Testbeds) 2014
- **Organizer** of the 18<sup>th</sup> **GENI Engineering Conference (GEC 18)**, Brooklyn, NY, October 2013
- **Chair** of **Emutools** 2013
- **General Chair** of **Tridentcom** 2012
- **Voting Member of the IEEE 802.16 Standardization Group**, IEEE 802.16 WirelessMAN Standard for Wireless Metropolitan Area Networks
- **TPC Chair** for **Tridentcom** 2011
- **Chair** of **WiNTECH** 2010
- **TPC Chair** for **AINTEC** 2010
- **Publication Chair** for **WiOpt** 2007
- **Technical Program Comity Member** for:
  - IEEE Infocom 2015
  - IEEE ICC 2008, 2009, 2010, 2011, 2012, 2013
  - IEEE WCNC 2008, 2009, 2010, 2011, 2012, 2013
  - Tridentcom 2008, 2009, 2010, 2011, 2012
  - ACM WiNTECH 2008, 2009, 2010
  - ACM SECON 2008, 2013
- Referee for several journals and conferences in the field of computer networks.

## Recent Project Participation

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### University of Thessaly (UTH) / Center for Research and Technology Hellas (CERTH), Volos, Greece

- **MAZI, 2016 – today**, scientific responsible  
Research Subject: A DIY networking toolkit for location-based collective awareness
- **dReDBox, 2016 – today**, scientific responsible  
Research Subject: Disaggregated Recursive Datacentre-in-a-Box
- **5G-XHaul, 2015 – today**, scientific responsible  
Research Subject: Dynamically Reconfigurable Optical-Wireless Backhaul/Fronthaul with Cognitive Control Plane for Small Cells and Cloud-RANs
- **FLEX, 2014 – today**, coordinator  
Research Subject: FIRE Testbeds for Open Experimentation with 4G and 5G Technologies
- **XIFI, 2014 – 2015**, scientific responsible

- Research Subject: XIFI-eXperimental Infrastructures for the Future Internet
- **SMS, 2013 – today**, scientific responsible  
Research Subject: Sensing toxicants in Marine waters makes Sense using biosensors
- **SMARTFIRE, 2013 – 2015**, coordinator  
Research Subject: Enabling SDN Experimentation in Wireless Testbeds exploiting Future Internet Infrastructure in South Korea and Europe
- **Fed4FIRE, 2012 – today**, scientific responsible  
Research Subject: Federation for FIRE
- **CONTENT, 2013 – today**, scientific responsible  
Research Subject: Convergence of Wireless Optical Networks and IT Resources in Support of Cloud Services
- **OPENLAB, 2011 – 2014**, participant  
Research Subject: Building Tools and Frameworks for Federating EU Heterogeneous Testbeds
- **CONNECT, 2011 – 2014**, participant  
Research Subject: Cooperative Networking for High Capacity Transport Architecture
- **ONELAB, 2009 – 2011**, participant  
Research Subject: Enable Federation of Heterogeneous EU Testbeds

#### **NYU Polytechnic School of Engineering, ECE Dept / CATT, Brooklyn, NY, USA**

- **Google Faculty Research Award, 2013**, Principal Investigator  
Research Subject: Home WLAN Troubleshooting through Application Layer Measurements
- **GENI Project, 2012 – 2013**, Principal Investigator  
Research Subject: Design and Implementation of a Networking Class Using GENI Infrastructure a.k.a GENI MOOC
- **GENI Project, 2012 – 2013**, Principal Investigator  
Research Subject: GIMI: Large-scale GENI Instrumentation and Measurement Infrastructure
- **NSF Project, 2012 – 2013**, Principal Investigator  
Research Subject: EAGER: Design, Development and Standardization of a New Hands-On Lab Component for use in Wireless Information Systems Courses, based on the GENI Wireless Research Facilities
- **NSF Project, 2010 – 2011**, Principal Investigator  
Research Subject: EAGER: Collaborative: A Multi-Party Distributed Wall through Dispersed Sensing and Computation
- **GENI Project, 2008 – 2010**, Principal Investigator  
Research Subject: WiMAX Mesoscale development in NYU-Poly
- **Collaborative Project with Thomson - Princeton Lab, 2007 – 2008**, Co-Principal Investigator  
Research Subject: Reliable Multicast in Heterogeneous Networks Using Cooperative Mesh Networking
- **Collaborative Project with ITS, Inc., NY, USA, 2006 – 2008**, Co-Principal Investigator  
Research Subject: Study and develop encrypted data and VoIP services
- **NSF CNS Project, 2007 – 2009**, Participant  
Research Subject: Cooperative Wireless Communications: From Coding to Networking, Participant
- **NSF MRI Project, 2007 – 2010**: Acquisition of an Experimental Platform for Wireless Multimedia Networking, Participant
- **NSF CRI Project, 2007 – 2010**: IAD Cooperative Networking Testbed, Participant
- **Polytechnic Angel Funds, 2007 – 2008**: Cooperative Networking Implementation, Participant

## **Teaching Experience**

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- **University of Thessaly, ECE Dept, Volos, Greece**
  - 2015-2016: Computer Networks
  - 2013-2016: Wireless Communications

- 2013-2015: Wireless and Mobile Communications (graduate course)
- 2013-2016: Advanced Issues in Networking (new course, senior undergrad and graduate course)
- 2013-2014: Design of Internet Protocols
- **Polytechnic University, ECE Dept, Brooklyn, NY, USA**
  - 2008: EL 657: Wireless Network Protocols: A lab-based Approach (new graduate course)
  - 2008, EL 537: Internet Architecture and Protocols, (graduate course)
  - 2007, EL 637: Local and Metropolitan Area Networks (graduate course)

## Student Supervision

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### Doctoral students (graduated)

- Kostas Choumas
- Kostas Katsalis

### Doctoral students (current)

- Virgilios Passas
- Kostas Choumas
- Hlias Syrigos
- Nikos Makris

## Languages

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English (fluently), Greek (native)

## Book Chapters

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1. D. Giatsios, A. Apostolaras, T. Korakis, and L. Tassiulas "**Methodology and Tools for Measurements on Wireless Testbeds: The NITOS Approach**", Springer Lecture Notes in Computer Science (LNCS), vol. 7586, 2013
2. Z. Tao, T. Korakis, S. Panwar, L. Tassiulas, "**Multimedia QoS Support in IEEE 802.11 Standards - An Evolutionary Perspective**", Chapter in the Book "**Broadband Mobile Multimedia: Techniques and Applications**", Auerbach Publications, CRC Press, 2008

## Journals

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1. G. Paschos, L. Chih-Ping, E. Modiano, K. Choumas and T. Korakis, "**In-network Congestion Control for Multirate Multicast**", IEEE/ACM Transactions on Networking, December 2015
2. C. N. Barati, S. A. Hosseini, S. Rangan, P. Liu, T. Korakis, S. Panwar, T. S Rappaport, "**Directional Cell Discovery in Millimeter Wave Cellular Networks**", IEEE Transactions on Wireless Communications, vol. 14, issue 12, pp. 6664-6678, July 2015

3. M. P. Anastasopoulos, A. Tzanakaki, B. R. Rofoee, S. Peng, Y. Yan, D. Simeonidou, G. Landi, G. Bernini, N. Ciulli, J. F. Riera, E. Escalona, K. Katsalis, T. Korakis, "**Optical Wireless Network Convergence in support of Energy-Efficient Mobile Cloud Services**", Photonic Network Communications, vol. 29, issue 3, pp. 269-281, 2015
4. S. Keranidis, G. Kazdaridis, V. Passas, T. Korakis, I. Koutsopoulos, L. Tassiulas, "**NITOS Energy Monitoring Framework: Real time Power Monitoring in Experimental Wireless Network Deployments**", ACM Mobile Computing and Communications Review, special issue, January 2014
5. S. Keranidis, D. Giatsios, T. Korakis, I. Koutsopoulos, L. Tassiulas, T. Rakotoarivelo, M. Ott and T. Parmentelat, "**Experimentation on End-to-End Performance Aware Algorithms in the Federated Environment of the Heterogeneous PlanetLab and NITOS Testbeds**", Elsevier Computer Networks, Special issue on Future Internet Testbeds, 2013
6. C. Nie, P. Liu, T. Korakis, E. Erkip, S. Panwar, "**Cooperative Relaying in Next Generation Mobile WiMAX Networks**", IEEE Transactions on Vehicular Technology, vol. 62, no. 3, pp. 1399-1405, March 2013
7. K. Choumas, S. Keranidis, T. Korakis, I. Koutsopoulos, L. Tassiulas, F. Juraschek, M. Günes, 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, Radio Communication Series, June 2012
8. P. Liu, C. Nie, T. Korakis, E. Erkip, S. Panwar, F. Verde and A. Scaglione. "**STiCMAC: A MAC Protocol for Robust Space-time Coding in Cooperative Wireless LANs**", IEEE Transactions on Wireless Communications, vol. 11, no. 4, pp. 1358-1369, April 2012
9. G. D. Stasi, R. Bifulco, S. Avallone, R. Canonico, A. Apostolaras, N. Giallelis, T. Korakis, L. Tassiulas, "**Interconnection of Geographically Distributed Wireless Mesh Testbeds: Resource Sharing on a Large Scale**", AdHoc Networks Journal by Elsevier, 2011
10. F. Verde, T. Korakis, E. Erkip, A. Scaglione, "**A Simple Recruitment Scheme of Multiple Nodes for Cooperative MAC**", IEEE Transactions on Communications, vol. 58, no. 9, pp. 2667-2682, September 2010
11. O. Alay, T. Korakis, Y. Wang, E. Erkip, S. Panwar, "**Layered Wireless Video Multicast Using Relays**", IEEE Transactions on Circuits and Systems for Video Technology, vol. 20, no. 8, pp. 1095-1109, August 2010
12. T. Korakis, Z. Tao, S. Singh, P. Liu, S. Panwar, "**Implementation of a Cooperative MAC Protocol: Performance and challenges in real environment**", EURASIP Journal on Wireless Communications and Networking, Article ID 598140, vol. 2009
13. O. Alay, T. Korakis, Y. Wang, S. Panwar, "**Dynamic Rate and FEC Adaptation for Video Multicast in Multi-rate Wireless Networks**", ACM/Springer Mobile Networks and Applications (MONET), Special Issue on Advances In Wireless Testbeds and Research Infrastructures, ISSN 1383-469X, vol. August 2009
14. G. Athanasiou, T. Korakis and L. Tassiulas, "**A 802.11k Compliant Framework for Cooperative Handoff in Wireless Mesh Networks**", EURASIP Journal on Wireless Communications and Networking, Article ID 350643, vol. 2009
15. T. Korakis, M. Knox, E. Erkip, S. Panwar, "**Cooperative Network Implementation Using Open Source Platforms**", IEEE Communications Magazine, Special Issue on Cooperative and Relay Communications, February 2009
16. G. Athanasiou, T. Korakis, O. Ercetin and L. Tassiulas, "**A Cross-Layer Framework for Association Control in Wireless Mesh Networks**", IEEE Transactions on Mobile Computing, vol. 8, no. 1, January 2009
17. T. Korakis, G. Jakllari, L. Tassiulas, "**CDR-MAC: A Protocol for Full Exploitation of Directional Antennas in Ad-hoc Wireless Networks**", IEEE Transactions on Mobile Computing, vol. 7, no. 2, February 2008

18. P. Liu, Z. Tao, S. Narayanan, T. Korakis and S. Panwar, "**A Cooperative MAC protocol for Wireless LANs**", IEEE Journal on Selected Areas in Communications, Special Issue on Cooperative Communications and Networking, vol. 25, no. 2, February 2007
19. T. Korakis, L. Tassiulas, "**Providing Quality of Service Guarantees in Wireless LANs compliant with 802.11e**", Computer Networks, vol. 47, issue 2, February 2005

## Conferences

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1. K. Choumas, G. Paschos, T. Korakis and L. Tassiulas, "**Distributed Load Shedding with Minimum Energy**", proceedings of IEEE INFOCOM 2016, San Francisco, CA, USA, 10 - 15 April 2016
2. K. Choumas, T. Korakis, H. Lee, D. Kim, J. Suh, T. Kwon, P. Martinez-Julia, A. Skarmeta, T. You, L. Baron, S. Fdida and J. Kim, "**Enabling SDN Experimentation with Wired and Wireless Resources: The SmartFIRE facility**", proceedings of CloudComp, Daejeon, South Korea, October 2015 (**Best paper Award**)
3. N. Nikaein, E. Schiller, R. Favraud, K. Katsalis, D. Stavropoulos, I. Alyafawi, Z. Zhao, T. Braun, T. Korakis, "**Network store: Exploring slicing in future 5g networks**", proceedings of the 10th International Workshop on Mobility in the Evolving Internet Architecture, Paris, France, September 2015
4. D. Stavropoulos, G. Kazdaridis, N. Makris, H. Niavis, I. Igoumenos, T. Korakis and L. Tassiulas, "**Enabling experimentation in mobile sensing scenarios through 4G networks: the NITOS approach**", proceedings of EuCNC, Paris, France, June 2015
5. K. Katsalis, K. Choumas, T. Korakis and L. Tassiulas, "**Virtual 802.11 Wireless Networks with Guaranteed Throughput Sharing**", proceedings of IEEE ISCC 2015, Larnaca, Cyprus, July 2015
6. K. Choumas, N. Makris, T. Korakis, L. Tassiulas and M. Ott, "**Testbed Innovations for Experimenting with Wired and Wireless Software Defined Networks**", proceedings of CNERT workshop of IEEE ICDCS 2015, Columbus, Ohio, USA, June 2015
7. A. Apostolaras, N. Nikaein, R. Knopp, A. Cipriano, T. Korakis, I. Koutsopoulos and L. Tassiulas, "**Evolved User Equipment for Collaborative Wireless Backhauling in Next Generation Cellular Networks**", proceedings of IEEE SECON, Seattle, WA, USA, June 2015
8. D. Syrivelis, G. Iosifidis, D. Delimpasis, K. Chounos, T. Korakis, L. Tassiulas, "**Bits and coins: Supporting collaborative consumption of mobile internet**" proceedings of IEEE INFOCOM 2015, Hong Cong, April 2015
9. D. Stavropoulos, A. Dadoukis, T. Rakotoarivelo, M. Ott, T. Korakis and L. Tassiulas, "**Design, Architecture and Implementation of a Resource Discovery, Reservation and Provisioning Framework for Testbeds**", proceedings of WINMEE, Bombay, India, May 2015
10. K.Katsalis, V.Sourlas, T. Papaioannou, T. Korakis, L. Tassiulas, "**Content Placement in Heterogeneous End-to-End Virtual Networks**", proceedings of ACM/SIGAPP Symposium On Applied Computing, Salamanca, Spain, April, 2015
11. N. Makris, Ch. Zarafetas, S. Kechagias, T. Korakis, I. Seskar and L. Tassiulas, "**Enabling Open Access to LTE network components; the NITOS testbed paradigm**", proceedings of IEEE Soft5G, London, April 2015
12. I. Syrigos, S. Keranidis, T. Korakis and C. Dovrolis, "**Enabling Wireless LAN Troubleshooting**", in the proceedings of Passive and Active Measurement (PAM) 2015, New York, USA, March 2015
13. B. R. Rofoee, Y. Yan, Y. Shu, T. Korakis, L. Tassiulas, A. Tzanakaki, G. S Zervas, D. E. Simeonidou, "**First Demonstration of Service-Differentiated Converged Optical Sub-Wavelength and LTE/WiFi Networks over GEANT**", proceedings of Optical Fiber Communication (OFC), Los Angeles, CA, USA, March 2015
14. A. Apostolaras, G. Iosifidis, K. Chounos, T. Korakis, L. Tassiulas, "**C2M: Mobile Data Offloading to Mesh Networks**", proceedings of IEEE GLOBECOM 2014, Austin, TX, USA, December 2014

15. S. Fdida, T. Korakis, H. Niavis, S. Salsano, G. Siracusano, "**The EXPRESS SDN Experiment in the OpenLab Large Scale Shared Experimental Facility**", proceedings of SDN & NFV – The Next Generation of Computational Infrastructure Conference 2014, Lomonosov, Moscow, October 2014
16. S. Keranidis, V. Passas, K. Chounos, W. Liu, T. Korakis, I. Koutsopoulos, I. Moerman, L. Tassiulas, "**Online Assessment of Sensing Performance in Experimental Spectrum Sensing Platforms**", proceedings of ACM WinTech 2014, ACM Mobicom 2014, Maui, Hawaii, September 2014
17. K.Pechlivanidou, K. Katsalis, I. Igoumenos, D. Katsaros, T.Korakis, L.Tassiulas, "**NITOS Testbed: A Cloud based Wireless Experimentation Facility**", proceedings of FIDC 2014 Workshop, ITC 2014, Karlskrona, Sweden, September 2014
18. V. Passas, N. Makris, S. Keranidis, T. Korakis, L. Tassiulas, "**Towards the efficient performance of LTE-A systems: Implementing a Cell Planning framework based on Cognitive Sensing**", proceedings of IEEE International Workshop on Cognitive Cellular Systems, Rhine River, Germany, September 2014
19. G. Kazdaridis, D. Stavropoulos, V. Maglogiannis, T. Korakis, S. Lalis, L. Tassiulas, "**NITOS BikesNet: Enabling Mobile Sensing Experiments through the OMF Framework in a city-wide environment**", proceedings of IEEE MDM 2014, Brisbane, Australia, July 2014
20. S. Keranidis, G. Kazdaridis, N. Makris, T. Korakis, I. Koutsopoulos, L. Tassiulas, "**Experimental Evaluation and Comparative Study on Energy Efficiency of the Evolving IEEE 802.11 Standards**", proceedings of ACM e-Energy 2014, Oxford, UK, June 2014
21. K. Choumas, I. Syrigos, T. Korakis and L. Tassiulas, "**Video-aware Multicast Opportunistic Routing over 802.11 mesh networks**", proceedings of IEEE SECON 2014, Singapore, June 2014
22. C N. Barati, S A. Hosseini, S. Rangan, P. Liu, T. Korakis, S. Panwar, "**Directional Cell Search for Millimeter Wave Cellular Systems**", proceedings of SPAWC 2014, Toronto, Canada, June 2014
23. A.Tzanakaki, M. P. Anastasopoulos, G. Landi, G. Bernini, N. Ciulli, S.Peng, B. Rahimzadeh Rofoe, Y. Yan, D. Simeonidou, J. Ferrer Riera, E. Escalona, J. A. García-Espín, K. Katsalis, T. Korakis, "**Planning of Dynamic Mobile Optical Virtual Network Infrastructures Supporting Cloud Services**", proceedings of EuCNC 2014, Bologna, Italy, June 2014 K.Katsalis, V. Sourlas, T. Korakis, L. Tassiulas, "**A Cloud-based Content Replication Framework Over Multi-Domain Environments**", proceedings of IEEE ICC 2014, Sydney, Australia, June 2014
24. A.Tzanakaki, M. P. Anastasopoulos, G. Landi, G. Bernini, N. Ciulli, S.Peng, B. Rahimzadeh Rofoe, Y. Yan, D. Simeonidou, J. Ferrer Riera,E. Escalona, J. A. García-Espín, K. Katsalis, T. Korakis,"**Wireless and wired network convergence in support of cloud and mobile cloud services: The CONTENT Approach**", proceedings of European Wireless (EW) 2014, Barcelona, Spain, May 2014
25. A.Tzanakaki, M. P. Anastasopoulos, G. Landi, G. Bernini, N. Ciulli, S. Peng, B. Rahimzadeh Rofoe, Y. Yan, D. Simeonidou, J. Ferrer Riera, E. Escalona, J. A. García-Espín, K. Katsalis, T. Korakis "**A Converged Network Architecture for Energy Efficient Mobile Cloud Computing**", proceedings of ONDM 2014, Stockholm, Sweden, May 2014
26. N. Makris, T. Korakis, D. Katsaros and L. Tassiulas, "**Enabling ITS Real World Experimentation in NITOS Future Internet facility**", proceedings of IEEE/IFIP WONS 2014, Obergurgl, Austria, April 2014
27. H. Niavis, K. Choumas, G. Iosifidis, T. Korakis and L. Tassiulas, "**Auction-based Scheduling of Wireless Testbed Resources**", proceedings of IEEE WCNC 2014, Istanbul, Turkey, April 2014
28. M. Hadeif, A. Apostolaras, J. O'Reilly, A. Mourad, B. Mouhouchey, I. Koutsopoulos, T. Korakis and L. Tassiulas, "**Energy Aware Buffer Aided Cooperative Relay Selection**", proceedings of IEEE WCNC 2014, Istanbul, Turkey, April 2014
29. M. Hadeif, A. Apostolaras, J. O'Reilly, A. Mourad and B. Mouhouche, "**Cooperative Multicast Resource Allocation Strategy**", proceedings of IEEE WCNC 2014, Istanbul, Turkey, April 2014
30. K. Katsalis, K. Choumas, T. Korakis, L. Tassiulas, "**Throughput Ratio Preservation in Virtual Wireless Networks**", proceedings of Mobile Cloud Computing (MCC) Workshop, IEEE INFOCOM 2014, Toronto, Canada, April 2014

31. G. Paschos, C. Li, E. Modiano, K. Choumas and T. Korakis, "**Multirate Multicast: Optimal Algorithms and Implementation**", proceedings of IEEE INFOCOM 2014, Toronto, Canada, April 2014
32. K. Katsalis, T. Korakis, G. Landi, G. Bernini, B. R. Rofoee, S. Peng, M. Anastasopoulos, A. Tzanakaki, D. Christofi, M. Georgiades, R. Larsen, J. F. Riera, E. Escalona, J. A. G. Espin, "**CONTENT Project: Considerations towards a Cloud-based Internetworking Paradigm**", proceedings of IEEE Software Defined Networks for Future Networks and Services (SDN4FNS) 2013, Trento, Italy, November 2013
33. S. Keranidis, G. Kazdaridis, V. Passas, T. Korakis, I. Koutsopoulos, L. Tassiulas, "**Online Energy Consumption Monitoring of Wireless Testbed Infrastructure through the NITOS EMF Framework**", in the proceedings of WinTech 2013, Miami, Florida, 30 September 2013, (**Best Paper Award**)
34. F. Fund, T. Korakis and S. S. Panwar, "**Implementation of a Protocol for Cooperative Packet Recovery Over Hybrid Networks**", proceedings of WinTech 2013, Miami, Florida, September 2013
35. K. Choumas, N. Makris, T. Korakis, L. Tassiulas and M. Ott, "**Exploiting Openflow Resources towards a CCLAN**", proceedings of EWSDN 2013, Berlin, Germany, October 2013
36. A. Apostolaras, K. Choumas, I. Syrigos, I. Koutsopoulos, T. Korakis, A. Argyriou and L. Tassiulas, "**On the Implementation of Relaying Selection Strategies for a Cooperative Diamond Network**", proceedings of PIMRC 2013, London, UK, September 2013
37. F. Fund, C. Wang, T. Korakis, M. Zink and S. Panwar, "**GENI WiMAX Performance: Evaluation and Comparison of Two Campus Testbeds**", proceedings of the Second GENI Research and Education Experiment Workshop (GREE2013), Salt Lake City, UT, March 2013, (**Best Paper Award**)
38. M. Hadeef, A. Apostolaras, A. Mourad, J. O'Reilly, I. Koutsopoulos, T. Korakis and L. Tassiulas, "**Energy Efficiency Performance Evaluation of Back-Pressure Driven Cooperative Relay Selection for WiMAX Systems**", proceedings of EMUTools 2013, Cannes, France, March 2013
39. D. Syrivelis, G. Parisis, D. Trossen, P. Flegkas, V. Sourlas, T. Korakis and L. Tassiulas, "**Pursuing a Software-Defined Information-Centric Network**", proceedings of EWCNC 2012, Darmstadt, Germany, December 2012
40. S. Keranidis, W. Liu, M. Mehari, P. Becue, S. Bouckaert, I. Moerman, T. Korakis, I. Koutsopoulos and L. Tassiulas, "**CONCRETE: A benchmarking framework to CONTROL and Classify REpeatable Testbed Experiments**", proceedings of FIRE Engineering Workshop 2012, Gent, Belgium, November 2012
41. W. Liu, M. Mehari, S. Bouckaert, I. Moerman, S. Keranidis, P. V. Wesemael, S. Pollin, T. Korakis and I. Koutsopoulos, "**A Benchmarking Framework for Easy and Reliable Wireless Experimentations**", proceedings of FIRE Engineering Workshop 2012, Gent, Belgium, November 2012
42. W. Liu, S. Keranidis, M. Mehari, J. V. Gerwen, S. Bouckaert, O. Yaron and I. Moerman, "**Various Detection Techniques and Platforms for Monitoring Interference Condition in a Wireless Testbed**", proceedings of Workshop in Measurement and Measurement Tools 2012, Aalborg, Denmark, May 2012
43. S. Keranidis, D. Giatsios, T. Korakis, I. Koutsopoulos, L. Tassiulas, T. Rakotoarivelo and T. Parmentelat, "**Experimentation in Heterogeneous European Testbeds through the Onelab Facility: The case of PlanetLab federation with the wireless NITOS Testbed**", proceedings of TridentCom 2012, Thessaloniki, Greece, June 2012
44. 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 TridentCom 2012, Thessaloniki, Greece, June 2012
45. D. Giatsios, I. Koutsopoulos and T. Korakis, "**Dishonest Reporting in Queue-Based Cross-Layer Network Optimization**", proceedings of IWQoS 2012, Coimbra, Portugal, June 2012
46. G. Kazdaridis, S. Keranidis, A. Fiamegkos, T. Korakis, I. Koutsopoulos and L. Tassiulas, "**Novel Metrics and Experimentation Insights for Dynamic Frequency Selection in Wireless LANs**", proceedings of WiNTECH 2011, MobiCom 2011, Las Vegas, Nevada, September 2011



47. 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 WinMee 2011, WiOpt 2011, Princeton NJ, USA, May 2011
48. 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 TridentCom 2011, Shanghai, China, April 2011
49. G. D. Stasi, R. Bifulco, F. P. D'elia, S. Avallone, R. Canonico, A. Apostolaras, N. Giallelis, T. Korakis, L. Tassiulas, "**Experimenting with P2P traffic optimization for Wireless Mesh Networks in a federated OMF-PlanetLab environment**", proceedings of IEEE WCNC 2011, Cancun, Mexico, March 2011
50. V. Miliotis, A. Apostolaras, T. Korakis, Z. Tao, L. Tassiulas, "**New Channel Allocation Techniques for Power Efficient WiFi Networks**", proceedings of W-GREEN 2010, PIMRC 2010, Istanbul, Turkey, September 2010
51. A. C. Anadiotis, A. Apostolaras, D. Syrivelis, T. Korakis, L. Tassiulas, L. Rodriguez, I. Seskar, M. Ott, "**Towards Maximizing Wireless Testbed Utilization using Spectrum Slicing**", proceedings of TridentCom 2010, Berlin, Germany, May 2010
52. F. Liu, J. Lin, Z. Tao, T. Korakis, E. Erkip, S. Panwar, "**The Hidden Cost of Hidden Terminals**", proceedings of IEEE ICC 2010, Cape Town, South Africa, May 2010
53. D. Syrivelis, A. Anadiotis, A. Apostolaras, T. Korakis, L. Tassiulas, "**TLQAP : A Topology and Link Quality Assessment Protocol For Efficient Node Allocation on Wireless Testbeds**", proceedings of WiNTECH 2009, Beijing, China, Sept 2009
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