

Curriculum Vitae

Dr Parisis Flegkas
Assistant Professor
Electrical & Computer Engineering
University of Thessaly

Personal Details

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Nationality	Hellenic
Foreign Languages	English (proficiency level), French

Education

Oct. 1999 - Jul. 2005	PhD in Computer Networking, sponsored by the Centre for Communications Systems Research (CCSR), Electrical & Electronic Engineering Department, University of Surrey, UK. Thesis title: «Policy-based Quality of Service Management in IP Networks».
Sep. 1998 - Sep. 1999	MSc with distinction in Telematics (Communications & Software), Electrical & Electronic Engineering Department, University of Surrey, UK.
Sep. 1992 - Feb. 1998	Diploma (equivalent to MEng) in Electrical & Computer Engineering, Aristotle University of Thessaloniki, Greece, Grade:7.2/10.
Sep. 1988 - Jun. 1991	High-school diploma, 3rd High School of Volos, Greece, Grade:18.2/20.

Work Experience

Feb 23 - today	<i>Assistant Professor</i> in the Department of Electrical and Computer Engineering, University of Thessaly, Volos, Greece.
Oct 15 - Feb 23	<i>Adjunct Lecturer/MSc Studies Instructor</i> , in the Department of Electrical & Computer Engineering, University of Thessaly, Volos, Greece. Teaching 2 MSc courses: “Computer Networks” and “Wireless Networks”.
Jan 14 - Feb 23	<i>Postdoctoral Researcher</i> in the Department of Electrical & Computer Engineering, University of Thessaly, Volos, Greece. Responsible for the 5G related European Projects 5G-VICTORI, 5G-PICTUE, 5G-XHAUL acting also as WP leader for all projects. Contributed also to a Greek National research project Aristeia-SOFON.
Jan 09 – Jun 22	Postdoctoral Researcher in CERTH/ITI. Contributed to H2020 FED4FIREplus, responsible for the European Projects EU FP7 Codelance, and Future Internet research projects EU FP7 PURSUIT, EU Onelab2.
Mar 09 – Feb 11	Adjunct Lecturer, in the Department of Computer and Communications Engineering, University of Thessaly, Volos, Greece. Responsible for the courses “Advanced Telecommunication Systems” and “Internet Protocol Design”.
Dec 06 – Oct 08	<i>Postdoctoral Researcher</i> in the Department of Electrical & Computer Engineering, University of Thessaly, Volos, Greece. Responsible for the Greek National

- Research Project GSRT ENTER 2004 on Policy-based management of Ad hoc networks.
- Jun 06 – Nov 06 Postdoctoral Researcher in CERTH/ITI. Responsible for the EU project EGEE (Enabling Grids for Esience) in collaboration with GRNET.
- Oct. 03 - Jun. 05 Senior Research Fellow in the Networks Group of the Centre for Communications Systems Research (CCSR), Electrical & Electronic Engineering Department, University of Surrey, UK. Responsible and guiding the group participation in the Research Projects EU IST MESCAL, UK EPSRC PAQMAN, and industrial collaborative projects. I was also responsible for the Networks and Service Managements labs and supervised MSc projects and PhD students.
- Apr. 01 - Sep. 03 Research Fellow in the Networks Group of the Centre for Communications Systems Research (CCSR), Electrical & Electronic Engineering Department, University of Surrey, UK. Working in the EU IST TEQUILA, and the UK EPSRC/DTI PRONET projects. I also supervised MSc student projects.
- Oct. 01 - Jul. 05 Web Administrator of the Networks Group, in the Centre for Communication Systems Research, University of Surrey, UK.
- Oct. 01 - Jul. 05 Computer Systems Administrator of the Networks Group, in the Centre for Communication Systems Research, University of Surrey, UK.
- Jul. 97 - Aug. 97 Network Support Engineer in the METKA industry in Volos, Greece.

Research Areas

- 6G/5G Network System Architectures
- Network Management and Control of 5G/6G Networks based on (Software Defined Networks) and NFV (Network Function Virtualisation)
- Machine Learning-based Network and Compute Resource Management
- Future Internet Architectures
- Information-centric Networks
- Content-aware Networks/Publish/Subscribe Networks
- Caching in Content-based Networks
- Network & Service Management Architectures and Frameworks
- Service-Oriented Architecture –SOA
- Policy Analysis (Conflict Detection and Refinement)
- Policy-based Network and Service Management
- Network Monitoring and Control, SLA Monitoring, Monitoring Techniques
- Network Management Technologies based on Web Services/XML, Distributed Object Technologies and Mobile Agents.
- Policy-based Resource Management
- Traffic Engineering for Quality of Service
- Mobile Ad-hoc Networks

Teaching Experience

From September 2015, I have been teaching the courses “Computer Networks” and “Wireless Networks” in the MSc programme “Applied Informatics” while from February 2023 I am also teaching the undergraduate courses “Network Optimisation” and “Probabilities and Statistics” in the department Electrical & Computer Engineering, University of Thessaly.

From the year 2000 and onwards, I was supervising MSc projects every year in the Dept. of Electrical Engineering in the University of Surrey. From 2002 to 2005, I was responsible for the lab course of the module Network and Services Management and Control. Please note that in most UK Universities, lecturing cannot be done by PhD Candidates but only by permanent academic staff. Since 2003, I have been supervising PhD students in areas related to Policy-based Management of Wireless Ad hoc Networks and Conflict Detection and Resolution for QoS Management in IP Networks.

In 2006, after joining the University of Thessaly, I was also responsible for Computer Networks I lab course, teaching Network Programming and network simulations using NS-2. From March 2009 and for two years, I was an adjunct Lecturer responsible for the modules of Advanced Telecommunications Systems and Internet Protocols Design where material from Network and Service Management and representative protocols from layers were taught. Finally, since I joined University of Thessaly, I have been supervising PhD Students, in areas related to 5G Wireless Networks Management and future Internet Architectures.

Awards and Scholarships

- Number of citations **2495 with h-index 29 and i-index 45** (from scholar google on 13/1/2024)
- Runner’s up award (2nd place) for the paper “Session Management across Heterogeneous Wireless Technologies in a Rail Transport Environment” in IEEE 5G for CAM (Connected and Automated Mobility) 2021.
- «Future Internet Award» in Future Internet Assembly (FIA), Dublin, Ireland, May 2013, for the research project «PURSUIT: Publish Subscribe Internet Technology», in which I was a major contributor as the responsible postdoc researcher from University of Thessaly.
- Distinguished Scientist award by the Geek Military Service.
- Scholarship awarded by CCSR, University of Surrey, UK for carrying out the PhD studies in Computer Networking (1999-2002).
- Scholarship by the Engineering and Physics Research Council (EPSRC) and the Department of Trade and Industry (DTI), UK for carrying out the MSc in Telematics studies.
- Awarded the MSc *with distinction* in Telematics (Communications & Software) by the Electronic Engineering Department, University of Surrey, UK (Sept. 1999).

Other Scientific Activities

Member of International Institutes and Organisations: Communications Society of the Institute of Electrical and Electronics Engineers, Special Interest Group in Communications (SIGCOMM) Association for Computing Machinery ACM.

Reviewer in the following International Journals and Conferences: IEEE Network, IEEE Communications, IEEE Journal of Selected Areas in Communications (JSAC), IEEE Communications Letters, Computer Communications Journal (Elsevier), Computer Networks Journal (Elsevier), Journal of Network and Systems Management (JNSM), IEE Electronic Letters, QoFIS, IFIP/IEEE NOMS, DSOM, MMNS, IEEE Policy.

Thesis/Projects

- PhD Thesis: «Policy-based Quality of Service Management in IP Networks», Electrical & Electronic Engineering Department, University of Surrey, UK July 2005 (Supervisor: Prof. George Pavlou)
- MSc Project: «Quality of Service Monitoring using Mobile Agents in IP Networks», Electrical & Electronic Engineering Department, University of Surrey, UK July 2005 (Supervisor: Prof. George Pavlou)
- Undergraduate Final Year Project: «Statistical Modeling the behavior of the ionospheric frequencies», Electrical and Computer Engineering, Aristotle University of Thessaloniki, 1997 (Prof. Thomas Xenos)

Publications

International Journals

- J18 K Choumas, D Giatsios, P Flegkas, T Korakis, “SDN Controller Placement and Switch Assignment for Low Power IoT”, *Journal of Electronics* 9 (2), MDPI, 325, 2020.
- J17 DC Mur, J. Gutiérrez, E. Grass, A. Tzanakaki, P. Flegkas, et al., “5G-XHaul: A novel wireless-optical SDN transport network to support joint 5G backhaul and fronthaul services”, *IEEE Communications Magazine*, Vol. 57, Is. 7, pp. 99-105, 2019.
- J16 A. Tzanakaki, M. Anastasopoulos, I. Berberana, D. Syrivelis ; P. Flegkas, T. Korakis, et al., “Wireless-Optical Network Convergence: Enabling the 5G Architecture to Support Operational and End-User Services”, *IEEE Communications Magazine*, Volume: 55, Issue: 10, Oct. 2017.
- J15 Gutiérrez, Jesús, Nebojsa Maletic, Daniel Camps-Mur, Eduard García, Ignacio Berberana, Markos Anastasopoulos, Anna Tzanakaki, Paris Flegkas et al., “5G-XHaul: a converged optical and wireless solution for 5G transport networks”, *Transactions on Emerging Telecommunications Technologies*, January, 2016.
- J14 V. Sourlas, P. Flegkas and L. Tassiulas, "A Novel Cache Aware Routing Scheme for Information-Centric Networks", in *Computer Networks – Elsevier*, Volume 59, pp. 44-61, February 2014.
- J13 V. Sourlas, L. Gkatzikis, P. Flegkas, L. Tassiulas, "Distributed Cache Management in Information-Centric Networks", *IEEE Transactions on Network and Service Management (TNSM)*, 2013.
- J12 M. Diallo, V. Sourlas, P. Flegkas, S. Fdida, L. Tassiulas, "A content-based publish/subscribe framework for large-scale content delivery", *Elsevier Computer Networks*, Vol. 57, No. 4, pp. 924-943, March 2013.
- J11 V. Sourlas, P. Flegkas, G. S. Paschos, D. Katsaros, and L. Tassiulas, "Storage Planning and Replica Assignment in Content-Centric Publish/Subscribe Networks", *S.I. on Internet-based Content Delivery*, *Computer Networks Elsevier* 2011.
- J10 M. Charalambides, P. Flegkas, G. Pavlou, J. Rubio-Loyola, A. Bandara, E. Lupu, M. Sloman, *Policy Conflict Analysis for DiffServ Quality of Service Management*, under revision in *IEEE Transactions on Network and Service Management (TNSM)*, 2008.
- J09 J. Rubio-Loyola, J. Serrat, M. Charalambides, P. Flegkas, G. Pavlou, *A Methodological Approach Towards the Refinement Problem in Policy-based Management Systems*,

- δημοσιεύθηκε στο επιστημονικό περιοδικό IEEE Communications, series on Network and Service Management, Vol. 44, No. 10, pp. 60-68, IEEE, October 2006.
- J08 A. Bandara, E. Lupu, A. Russo, N. Dulay, M. Sloman, P. Flegkas, M. Charalambides, G. Pavlou, *Policy Refinement for DiffServ Quality of Service Management*, δημοσιεύθηκε στο επιστημονικό περιοδικό IEEE Transactions on Network and Service Management (TNSM), Vol. 3, No. 2, pp. 2-13, IEEE, Second quarter 2006.
- J07 M. Howarth, M. Boucadair, P. Flegkas, N. Wang, G. Pavlou, P. Morand, T. Coadic, D. Griffin, H. Asgari, P. Georgatsos, *End-to-end quality of service provisioning through Inter-provider traffic engineering*, Computer Communications, Vol. 29, No. 6, pp. 683-702, Elsevier, March 2006.
- J06 M. Howarth, P. Flegkas, G. Pavlou, N. Wang, P. Trimintzios, D. Griffin, J. Griem, M. Boucadair, P. Morand, H. Asgari, P. Georgatsos, *Provisioning for Inter-domain Quality of Service: the MESCAL Approach*, IEEE Communications, IEEE Communications Magazine, Vol. 43, No. 6, pp. 129-137, June 2005.
- J05 G. Pavlou, P. Flegkas, S. Gouveris, A. Liotta, *On Management Technologies and the Potential of Web Services*, δημοσιεύθηκε στο IEEE Communications Magazine, special issue on XML-based Management of Networks and Services, Vol. 42, No. 7, pp. 58-66, IEEE, Jul 2004.
- J04 P. Trimintzios, G. Pavlou, P. Flegkas, P. Georgatsos, A. Asgari, E. Mykoniati, *Service-driven Traffic Engineering for Intra-domain Quality of Service Management*, δημοσιεύθηκε στο *IEEE Network*, special issue on Network Management of Multi-service Multimedia IP-based Networks, Vol.17, No. 3, pp. 29-36, IEEE Press, May 2003.
- J03 P. Trimintzios, T. Bauge, G. Pavlou, P. Flegkas, R. Egan, *Quality of Service Provisioning through Traffic Engineering with Application to IP-based Production Networks*, δημοσιεύθηκε στο Journal of Computer Communications, special issue on Performance Evaluation of IP Networks and Services, Vol. 17, No. 8, pp. 845-860, Elsevier Science Publishers, May 2003.
- J02 P. Flegkas, P. Trimintzios, G. Pavlou, *A Policy-based Quality of Service Management System for IP Differentiated Services Networks*, δημοσιεύθηκε στο *IEEE Network*, ειδικό τεύχος για Policy-Based Networking, Vol. 16, No. 2, pp. 50-56, IEEE Press, March/April 2002.
- J01 P. Trimintzios, I. Andrikopoulos, G. Pavlou, P. Flegkas, D. Griffin, P. Georgatsos, D. Goderis, Y. T'Joens, L. Georgiadis, C. Jacquenet, R. Egan, *Management and Control Architecture for Providing IP Differentiated Services in MPLS-based Networks*, δημοσιεύθηκε στο IEEE Communications Magazine, special issue on IP-Oriented Operations and Management, Vol. 39, No. 5, pp. 80-88, IEEE Press, May 2001.

Book Chapters

- B02 Vasilis Sourlas, Paris Flegkas, Dimitrios Katsaros and Leandros Tassioulas, "Content Replication and Delivery in Information-Centric Networks", in *Advanced Content Delivery and Streaming in the Cloud* by Wiley Publishers, USA, May 2014.
- B01 Κεφάλαιο 4ο – Internet Traffic Engineering, στο βιβλίο "Quality of Future Internet Services" του οποίου υπεύθυνοι σύνταξης είναι οι Jon Crowcroft και Michael Smirnov, εκδοτικός οίκος Springer-Verlang, 2003 (με τους O. Bonaventure, G. Pavlou, και B. Quoitin)

Peer-reviewed Conferences

- C41 M. Xezonaki, et. al., “Media Services in Dense, Static and Mobile Environments Leveraging Edge Deployments”, IFIP International Conference on Artificial Intelligence Applications and Innovations, Springer, pp.66-76, June 2023.
- C40 I. Mesogiti, et. al., “Techno-economic Analysis Highlighting Aspects of 5G Network Deployments at Railway Environments”, IFIP International Conference on Artificial Intelligence Applications and Innovations, Springer, pp.139-150, June 2023.
- C39 D. Cvetkovski et. al., “Railway services support over a 5G infrastructure exploiting a multi-technology wireless transport network”, 2022 IEEE Future Networks World Forum (FNWF), IEEE, pp. 585-590, October 2022.
- C38 I. Mesogiti, et al., “5G-VICTORI: future railway communications requirements driving 5G deployments in railways”, IFIP International Conference on Artificial Intelligence Applications and Innovations, Springer, pp. 21-30, June 2021.
- C37 Panagiotis Karamichailidis, Nikos Makris, Paris Flegkas, et al., “Session Management across Heterogeneous Wireless Technologies in a Rail Transport Environment”, CAM’21: IEEE 5G for Connected & Automated Mobility, May 2021.
- C36 I. Mesogiti, E. Theodoropoulou, F. Setaki, G. Lyberopoulos, A. Tzanakaki, M. Anastassopoulos, C. Politi, P. Papaioannou, C. Tranoris, S. Denazis, P. Flegkas, et al., “5G-VICTORI: Future Railway Communications Requirements Driving 5G Deployments in Railways”, 6th Workshop on 5G – Putting Intelligence to the Network Edge (5G-PINE 2021), AIAI 2021 17th International Conference on Artificial Intelligence Applications and Innovations, 2021.
- C35 K Choumas, D Giatsios, P Flegkas, T Korakis, “The SDN control plane challenge for minimum control traffic: distributed or centralized?”, 2019 16th IEEE Annual Consumer Communications & Networking Conference (CCNC), pp 1-7.
- C34 D Giatsios, K Choumas, P Flegkas, T Korakis, JJA Cruelles, DC Mur, "Design and evaluation of a hierarchical SDN control plane for 5G transport networks", ICC 2019-2019 IEEE International Conference on Communications (ICC), pp. 1-6.
- C33 N. Makris, C. Zarafetas, K. Choumas, P. Flegkas and T. Korakis, "Virtualized Heterogeneous 5G Cloud-RAN deployment over Redundant Wireless Links", demo showcased at IEEE LANMAN 2019 in Paris, France.
- C32 D. Giatsios, K. Choumas, P. Flegkas, T. Korakis and D. Camps-Mur, "SDN implementation of slicing and fast failover in 5G transport networks," 2017 European Conference on Networks and Communications (EuCNC), Oulu, 2017, pp. 1-6.
- C31 Daniel Camps-Mur, Paris Flegkas, Dimitris Syrivelis, Qing Wei, Jesus Gutierrez, "5G-XHaul: Enabling scalable virtualization for future 5G Transport Networks", IUCC 2016, En2ESO Workshop, Granada, Spain, December 2016.
- C30 A. Tzanakaki, M. Anastasopoulos, D. Simeonidou, I. Berberana, D. Syrivelis, T. Korakis, P. Flegkas, D. Camps Mur, I. Demirkol, J. Gutiérrez, E. Grass, Q. Wei, E. Pateromichelakis, A. Fehske, M. Grieger, M. Eiselt, J. Bartelt, G. Lyberopoulos, E. Theodoropoulou, 5G Infrastructures Supporting End-User and Operational Services: The 5G-XHaul Architectural Perspective IEEE International Conference on Communications Workshops (ICC) 23 (pp. 57-62), May 2016.
- C29 Vasilis Surlas, Panos Georgatsos, Paris Flegkas and Leandros Tassioulas, “Partition-based Caching in Information-Centric Networks ” in 7th IEEE International Workshop on Network Science for Communication Networks (NetSciCom) (in conjunction with IEEE INFOCOM), Hong kong, April 2015.

- C28 Vasilis Sourlas, Paris Flegkas, Panos Georgatsos and Leandros Tassiulas, "Cache-Aware Traffic Engineering in Information-Centric Networks," in IEEE 19th International Workshop on Computer Aided Modeling and Design of Communication Links and Networks (CAMAD) , Athens, Greece, December 2014.
- C27 Konstantinos Poularakis, Vasilis Sourlas, Paris Flegkas and Leandros Tassiulas, "On Exploiting Network Coding in Cache-Capable Small-Cell Networks," in Smart Video-multicast for Next-generation Multi-hop Networks (SmartVision) workshop of IEEE Symposium on Computers and Communications (ISCC 2014), Madeira, Portugal, June 2014.
- C26 Vasilis Sourlas, Paris Flegkas and Leandros Tassiulas, "Cache-Aware Routing in Information-Centric Networks," IFIP/IEEE International Symposium on Integrated Network Management (IM 2013), pp. 582-588, Ghent, Belgium, May 2013.
- C25 Paris Flegkas, Vasilis Sourlas, George Parisis, Dirk Trossen, "Storage Replication in Information-Centric Networking", Proceedings of the 2013 IEEE International Conference on Computing, Networking and Communications (ICNC), pp. 850-855, San Diego, USA, January 2013
- C24 Dimitris Syrivelis, George Parisis, Dirk Trossen, Paris Flegkas, Vasilis Sourlas, Thanasis Korakis, Leandros Tassiulas, "*Pursuing a Software Defined Information-centric Network*", Proceedings of the 2012 European Workshop on Software Defined Networking (EWSDN), IEEE, pp. 103-108, Darmstad, Germany, October 2012.
- C23 George Parisis, Ben Tagger, Dirk Trossen, Dimitris Syrivelis, Paris Flegkas, Leandros Tassiulas, Charilaos Stais, Christos Tsilopoulos, George Xylomenos, "*Demonstrating an Information-Centric Network in an International Testbed*", Proceedings of the International ICST Conference, TridentCom 2012, Springer, pp. 400-402, Thessanoliiki, Greece, June 2012.
- C22 Vasilis Sourlas, Paris Flegkas, Lazaros Gkatzikis, Leandros Tassiulas, "*Autonomic Cache Management in Information-Centric Networks*", Proceedings of the IEEE/IFIP Network Operations and Management Symposium (NOMS 2012), pp. 121-129, Hawaii, April 2012.
- C21 Dirk Trossen, Xenofon Vasilakos, Paris Flegkas, Vasilis Sourlas, George Parisis, "*Mobility Work Re-Visited Not Considered Harmful*", Proceedings of the IEEE Workshop on Mobile Computing and Networking Technologies (WMCNT 2011), Budapest, Hungary, October 2011.
- C20 M. Diallo, S. Fdida, V. Sourlas, P. Flegkas, L. Tassiulas, "*Leveraging caching for Internet-scale content-based publish/subscribe networks*", Proceedings of the IEEE International Conference on Communications ICC2011, 5-9 June, Kyoto, Japan 2011.
- C19 V. Sourlas, G. S. Paschos, P. Mannersalo, P. Flegkas and L. Tassiulas, "*Modeling the dynamics of caching in content-based publish/subscribe systems*", Proceedings of the 26th ACM Symposium On Applied Computing (SAC), Taiwan, March, 2011.
- C18 V. Sourlas, P. Flegkas, G. S. Paschos, D. Katsaros, L. Tassiulas, "*Storing and Replication in Topic-Based Publish/Subscribe Networks*", Proceedings of the IEEE Globecom 2010 Next-Generation Networking and Internet Symposium, Miami, USA, December 2010.
- C17 V. Sourlas, G. S. Paschos, P. Flegkas, L. Tassiulas, "*Mobility Support through Caching in Content-based Publish/Subscribe Networks*", Proceedings of the 5th International Workshop on Content Delivery Networks (CDN 2010) in conjunction with 10th IEEE/ACM International Symposium on Cluster, Cloud and Grid Computing (CCGrid 2010), Melbourne, Australia, May 2010.
- C16 V. Sourlas, G. Paschos, P. Flegkas, L. Tassiulas, "*Caching in Content-based Publish/Subscribe Systems*", IEEE GLOBECOM, Hawaii, December 2009.

- C15 V. Sourlas, P. Flegkas, G.Paschos, L. Tassiulas, *Distribute, Store and Retrieve Management Policies on Wireless Ad-Hoc Networks using the Content Delivery Publish/Subscribe Paradigm*, IEEE/IFIP ACNM pp. 14-20, New York, Ιούνιος 2009.
- C14 V. Sourlas, P. Flegkas, L. Tassiulas, *Policy Distribution using the Publish/Subscribe Paradigm for Managing MANETs*, IEEE/IFIP Management of Multimedia and Mobile Networks and Services (MMNS'2008), pp. 14-20, Samos, Greece, September 2008.
- C13 J. Rubio-Loyola, J. Serrat, M. Charalambides, P. Flegkas, G. Pavlou, *A Functional Solution for Goal-oriented Policy Refinement*, IEEE Workshop on Policies for Distributed Systems and Networks (Policy'2006), Ontario, Canada, pp. 133-144, June 2006.
- C12 M. Charalambides, P. Flegkas, G. Pavlou, J. Rubio-Loyola, A. Bandara, E. Lupu, A. Russo, N. Dulay, M.Sloman, *Dynamic Policy Analysis and Conflict Resolution for DiffServ Quality of Service Management*, NOMS2006 IEEE/IFIP Network Operations & Management Symposium, Vancouver, Canada, pp. 294-304, April 2006.
- C11 Javier Rubio-Loyola, Joan Serrat, M. Charalambides, P. Flegkas και G. Pavlou, *GOREMOCH: A Distributed Goal-oriented Policy Refinement Environment*, NOMS2006 IEEE/IFIP Network Operations & Management Symposium, Vancouver, Canada, April 2006.
- C10 M. Charalambides, P. Flegkas, G. Pavlou, A. Bandara, E. Lupu, A. Russo, N. Dulay, M.Sloman, *Policy Conflict Analysis for Quality of Service Management*, IEEE Policy for Distributed Systems and Networks (Policy 2005), Stockholm, Sweden, pp. 99-108, IEEE, June 2005.
- C09 J.R. Loyola, J. Serrat, M. Charalambides, P. Flegkas, G. Pavlou, A. Lafuente, *Using Linear Temporal Model Checking for Goal-Oriented Policy Refinement Frameworks*, Policy for Distributed Systems and Networks (Policy 2005), Stockholm, Sweden, pp. 181-190, IEEE, June 2005.
- C08 A. Bandara, E. Lupu, A. Russo, N. Dulay, M.Sloman, P. Flegkas, M. Charalambides, G. Pavlou, *Policy Refinement for DiffServ Quality of Service Management*, IM'2005, IEEE/IFIP Integrated Management Symposium, Nice, France, pp. 469-482, IEEE, May 2005.
- C07 M. Howarth, P. Flegkas, G. Pavlou, P. Trimintzios, H. Asgari, D. Griffin, J. Griem, M. Boucadair, P. Georgatsos, *An Architectural Framework for Inter-domain Quality of Service Provisioning*, IM'2005, IEEE/IFIP Integrated Management Symposium, Nice, France, pp. 469-482, IEEE, May 2005.
- C06 P. Flegkas, P. Trimintzios, G. Pavlou, A. Liotta, *Design and Implementation of a Policy-based Resource Management Architecture*, IM'2003, IEEE/IFIP Integrated Management Symposium, Colorado, USA, pp. 215-229, Kluwer, March 2003.
- C05 P. Trimintzios, P. Flegkas, G. Pavlou, L. Georgiadis, D. Griffin, *Policy-based Network Dimensioning for IP Differentiated Services*, IPOM2002, IEEE Workshop on IP Operations Management, Dallas, USA, pp. 171-176, IEEE Press, October 2002.
- C04 P. Trimintzios, T. Bauge, G. Pavlou, L. Georgiadis, P. Flegkas, R. Egan, *Quality of Service Provisioning for Supporting Guaranteed Services in IP Networks*, GLOBECOM2002, IEEE Global Telecommunications Conference 2002, Taipei, Taiwan, Vol. 3, pp. 2473-2477, 2002.
- C03 P. Trimintzios, P. Flegkas, G. Pavlou, *Policy-driven Traffic Engineering for Intra-domain Quality of Service Provisioning*, QoSIS02, International Workshop on Quality of future Internet Services, Zurich, Switzerland, pp. 179-193, Springer October 2002.
- C02 P. Flegkas, P. Trimintzios, G. Pavlou, I. Andrikopoulos, F. Cavalcanti, *On Policy-based Extensible Hierarchical Network Management in QoS-enabled IP Networks*, POLICY'01, IEEE Workshop on Policies for Distributed Systems and Networks, Bristol, UK, pp. 230-246, January 2001.

- C01 P. Flegkas, P. Trimintzios, I. Andrikopoulos, G. Pavlou, *Considerations on Policy-based Network Management*, Proceedings of the London Communications Symposium (LCS), London, UK, September 2000.