

Βασίλης Μάγκλαρης (31/5/2014)



Καθηγητής Ε.Μ.Π.

- Σχολή Ηλεκτρολόγων Μηχανικών & Μηχανικών Υπολογιστών (ΣΗΜΜΥ)
- Τομέας Επικοινωνιών, Ηλεκτρονικής & Συστημάτων Πληροφορικής
- Εργαστήριο Διαχείρισης & Βέλτιστου Σχεδιασμού Δικτύων Τηλεματικής (NETwork Management & Optimal DEsign – NETMODE Laboratory)

Διεύθυνση: Εθνικό Μετσόβιο Πολυτεχνείο,
Ηρώων Πολυτεχνείου 9, 15780 Ζωγράφου,
Νέο Κτίριο ΣΗΜΜΥ, Γραφείο Β.3.18

Τηλέφωνο: (+30) 210 772-2503, (+30) 210 772-1450 (εργαστήριο)

FAX: (+30) 210 772-1452

email: maglaris@netmode.ntua.gr

web: <http://www.netmode.ntua.gr>

ΣΠΟΥΔΕΣ

- | | |
|------|--|
| 1979 | Ph.D., Electrical Engineering & Computer Science, Columbia University, Νέα Υόρκη, ΗΠΑ |
| 1975 | Master of Science, Electrical Engineering & Computer Science, Polytechnic University, Brooklyn, Νέα Υόρκη, ΗΠΑ |
| 1974 | Δίπλωμα Μηχανολόγου Ηλεκτρολόγου Μηχανικού, Ε.Μ.Π. |

ΣΤΑΔΙΟΔΡΟΜΙΑ

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|-------------|--|
| 1993-σήμερα | Καθηγητής, Εθνικό Μετσόβιο Πολυτεχνείο |
| 1989-1993 | Αναπληρωτής Καθηγητής, Εθνικό Μετσόβιο Πολυτεχνείο |
| 1987-1989 | Αναπληρωτής Καθηγητής (Associate Professor - Tenured), Polytechnic University, Brooklyn, New York, ΗΠΑ |
| 1981-1987 | Επίκουρος Καθηγητής (Assistant Professor), Polytechnic University, Brooklyn, New York, ΗΠΑ |
| 1979-1981 | Μηχανικός Δικτύων Τηλεματικής, Network Analysis Corporation, Great Neck, New York |

ΚΥΡΙΕΣ ΘΕΣΕΙΣ ΕΥΘΥΝΗΣ (1990-σήμερα)

- 2010-σήμερα Διευθυντής του Τομέα Επικοινωνιών, Ηλεκτρονικής και Συστημάτων Πληροφορικής, Σχολή Ηλεκτρολόγων Μηχανικών & Μηχανικών Υπολογιστών Ε.Μ.Π. (3 θητείες)
- 1995-σήμερα Διευθυντής του Εργαστηρίου Διαχείρισης & Βέλτιστου Σχεδιασμού Δικτύων Τηλεματικής (Network Management & Optimal Design Laboratory – NETMODE), Σχολή Ηλεκτρολόγων Μηχανικών & Μηχανικών Υπολογιστών Ε.Μ.Π.
- 2012-2013 Γενικός Γραμματέας Έρευνας & Τεχνολογίας (ΓΓΕΤ) (με αναστολή καθηκόντων από το Ε.Μ.Π.) Απολογισμός της θητείας: <http://www.netmode.ntua.gr/gget/2013.pdf>
- 2004-2012 Πρόεδρος του Φορέα Διοίκησης του Πανευρωπαϊκού Δικτύου GÉANT (Εκλεγμένος για 3 θητείες από τους επικεφαλής των 37 Εθνικών Ερευνητικών & Εκπαιδευτικών Δικτύων – NRENs του ευρύτερου Ευρωπαϊκού χώρου)
- 2010-2011 Εμπειρογνώμονας της Ευρωπαϊκής Επιτροπής για τη Στρατηγική Διευρωπαϊκών και Εθνικών Ακαδημαϊκών Ερευνητικών Δικτύων (GÉANT Expert Group).
- 2004-2010 Μέλος Δ.Σ. του Ερευνητικού Πανεπιστημιακού Ινστιτούτου Συστημάτων Επικοινωνιών & Υπολογιστών (ΕΠΙΣΕΥ) του Ε.Μ.Π.
- 1995-2005 Επίτροπος στην Εθνική Επιτροπή Τηλεπικοινωνιών & Ταχυδρομείων (ΕΕΤΤ) (2 θητείες)
- 2002-2004 Συντονιστής Ευρωπαϊκού Προγράμματος SEEREN - South Eastern European Research & Education Networking (διαδικτύωση των Εθνικών Ακαδημαϊκών & Ερευνητικών Δικτύων της Νοτιοανατολικής Ευρώπης στο Πανευρωπαϊκό Δίκτυο GÉANT μέσω του ΕΛΕΤ)
- 1998-2004 Ιδρυτικός Πρόεδρος Ελληνικού Ερευνητικού & Εκπαιδευτικού Δικτύου ΕΔΕΤ /GRNET (τεχνολογικός φορέας της ΓΓΕΤ για την παροχή προηγμένων δικτυακών υποδομών και υπηρεσιών στα ΑΕΙ, ΤΕΙ, Ερευνητικά Κέντρα και το Σχολικό Δίκτυο)
- 1998-2004 Αντιπρόεδρος της Συγκλητικής Επιτροπής Ηλεκτρονικών Υπολογιστών & Δικτύων του Ε.Μ.Π.
- 1993-2004 Υπεύθυνος Ιδρυματικού έργου Δικτύου Τηλεματικής Ε.Μ.Π. (Σχεδιασμός, Επίβλεψη Εγκατάστασης & Λειτουργίας Ενοποιημένου Δικτύου Φωνής – Δεδομένων, Ευθύνη Λειτουργίας Κέντρου Δικτύων - ΚΕΔ)

- 1996-2002 Μέλος της Διακομματικής Επιτροπής της Βουλής των Ελλήνων για την Διασφάλιση του Απορρήτου των Τηλεπικοινωνιών ως ανεξάρτητος εμπειρογνώμων (2 θητείες)
- 1998-2000 Υπεύθυνος Ιδρυματικού έργου Τηλεκπαίδευσης (*Σχεδιασμός, Επίβλεψη Εγκατάστασης & Ευθύνη Λειτουργίας Κέντρου Πολυμέσων-Τηλεδιασκέψεων, κτίριο Κεντρικής Βιβλιοθήκης Ε.Μ.Π.*)
- 1995-1998 Εθνικός Εκπρόσωπος Προγράμματος Έρευνας & Τεχνολογικής Ανάπτυξης Ευρωπαϊκής Επιτροπής σε θέματα Τηλεματικών Εφαρμογών
- 1994-1998 Υπεύθυνος έργου Εθνικό Δίκτυο Έρευνας & Τεχνολογίας – ΕΔΕΤ/ GRNET (*Σχεδιασμός, Επίβλεψη Εγκατάστασης και Πιλοτική Λειτουργία Δικτύου εθνικής και διεθνούς διασύνδεσης ΑΕΙ, ΤΕΙ & Ερευνητικών Κέντρων της χώρας*)
- 1994-1996 Διευθύνων Σύμβουλος του Εθνικού Ιδρύματος Ερευνών (ΕΙΕ): Ερευνητικά Ινστιτούτα (6), Βιβλιοθήκη ΕΙΕ, Εθνικό Κέντρο Τεκμηρίωσης
- 1990-1998 Αναπληρωτής Διευθυντής του Ερευνητικού Πανεπιστημιακού Ινστιτούτου Συστημάτων Επικοινωνιών & Υπολογιστών (ΕΠΙΣΕΥ) του Ε.Μ.Π.

ΆΛΛΕΣ ΔΡΑΣΤΗΡΙΟΤΗΤΕΣ ΠΡΙΝ ΤΗΝ ΕΠΙΣΤΡΟΦΗ ΣΤΗΝ ΕΛΛΑΔΑ (ενδεικτικά):

- 1984-1988 Οργάνωση & Διδασκαλία Μαθημάτων Ανάλυσης & Σχεδιασμού Δικτύων στο Εκπαιδευτικό Κέντρο του Ομίλου STET (μετέπειτα Telecom Italia), *Scuola Superiore Guglielmo Reiss Romoli, L' Aquila, Italy* (3 περίοδοι μαθημάτων)
- 1983-1987 Οργάνωση & Διδασκαλία Μαθημάτων Συνεχιζόμενης Εκπαίδευσης σε Δίκτυα Επικοινωνιών, *AT&T Bell Laboratories* (Holmdel & Whippany, New Jersey)
- 1980-1981 Εμπειρογνώμονας του Υπουργείου Δικαιοσύνης των ΗΠΑ για την απελευθέρωση των Αμερικανικών Τηλεπικοινωνιών – υπόθεση *AT&T Divestiture* (ανάθεση μέσω της *Network Analysis Corporation*)

ΕΡΕΥΝΗΤΙΚΑ ΕΝΔΙΑΦΕΡΟΝΤΑ:

Διαχείριση δικτύων τηλεματικής, στατιστική ανάλυση τηλεπικοινωνιακής κίνησης, μοντέλα και πρωτόκολλα Internet νέας γενιάς, τεχνικές παροχής πόρων - υπηρεσιών σε δίκτυα και καταναμημένα συστήματα πληροφορικής (Cloud/Grid Computing), διαχείριση ασφάλειας δικτύων και καταναμημένων συστημάτων, αλγόριθμοι βέλτιστου σχεδιασμού δικτύων, ανάλυση τηλεπικοινωνιακών αγορών.

ΔΙΔΑΣΚΑΛΙΑ ΣΤΟ Ε.Μ.Π.:

Προπτυχιακά: (1) Διαχείριση Δικτύων - Ευφυή Δίκτυα, 9^ο εξαμήνου, (2) Συστήματα Αναμονής, 6^ο εξαμήνου

Μεταπτυχιακά: (1) Δίκτυα Προστιθέμενης Αξίας – Ηλεκτρονικό Εμπόριο, (2) Επικοινωνίες Video, (3) Απελευθέρωση & Ρύθμιση Τηλεπικοινωνιών

ΚΥΡΙΟΣ ΕΠΙΒΛΕΠΩΝ ΔΙΔΑΚΤΟΡΙΚΩΝ:

Διδάκτορες Ε.Μ.Π.

1. Χρήστος Αργυρόπουλος, “Υπηρεσίες Διαχείρισης, Ελέγχου και Προώθησης Δεδομένων σε Περιβάλλοντα Εικονικής Δικτύωσης Οριζόμενης από Λογισμικό (SDN),” θα υποστηριχθεί τον Ιούνιο 2014
2. Κωνσταντίνος Τρούλος, “Οπτικές Υποδομές Δικτύων Πρόσβασης Νέας Γενιάς: Στρατηγικές Δημοτικής Ανάμειξης,” Φεβρουάριος 2012
3. Αθανάσιος Μώραλης, “Αρχιτεκτονική Ασφαλείας για Κατανεμημένες Εφαρμογές Πλέγματος Ευαίσθητες σε Χρόνο Απόκρισης,” Μάρτιος 2011
4. Άγγελος Λένης, “Εύρεση Ανθεκτικών Διαδρομών σε Δίκτυα Πολλαπλών Διαχειριστικών Περιοχών,” Ιούνιος 2010
5. Χρήστος Σιατερλής, “Σύνθετη Ανίχνευση Ανωμαλιών για Διαχείριση Ασφάλειας στο Διαδίκτυο,” Δεκέμβριος 2006
6. Γεώργιος Κουτέπας, “Συνεργατικό Σύστημα Αντιμετώπιση Κατανεμημένων Επιθέσεων Άρνησης Υπηρεσίας σε Περιβάλλον Πολλαπλών Διαχειριστικών Περιοχών,” Μάιος 2006
7. Αθανάσιος Λιακόπουλος, “Παροχή Ποιότητας Υπηρεσίας για Εξυπηρέτηση Κίνησης Υψηλής Προτεραιότητας σε Δίκτυα Μεταγωγής Πακέτων IP,” Δεκέμβριος 2005
8. Μαρία Γραμματικού, “Κατανεμημένο Πληροφοριακό Σύστημα Υγείας σε Περιβάλλον Internet,” Φεβρουάριος 2002
9. Παναγιώτης Αστήθας, “Ανίχνευση Επιθέσεων σε Δίκτυα Υπολογιστών,” Μάιος 2001
10. Χρήστος Στάθης, “Φαινόμενα Μακράς Μνήμης στο Τηλεπικοινωνιακό Φορτίο του Ιντερνετ και Επίδραση στις Επιδόσεις του Δικτύου,” Μάρτιος 2000
11. Τρύφων Χιώτης, “Διαχείριση Ποιότητας Υπηρεσιών σε Δίκτυα Επικοινωνιών Υψηλών Επιδόσεων,” Μάιος 1998
12. Φώτης Σταματελόπουλος, “Αρχιτεκτονικές και Επιδόσεις Ενοποιημένης Διαχείρισης Δικτύων, Συστημάτων & Εφαρμογών σε Περιβάλλοντα Internet,” Απρίλιος 1998

Ph.D. - Polytechnic University

1. Jeong-Key Min, "Flow and Congestion Control of Interconnected Networks," January 1991
2. Dragomir Dimitrijevic, "Routing in Multi-Domain Networks," June 1990
3. Theodoros Spirtos, "Performance Evaluation in Fast-Switched Networks," June 1989
4. Chang-Hao Zhou, "*Adaptive Control for Two-Level Routing in Packet Switched Computer Networks*," June 1985

ΠΑΡΟΥΣΙΑΣΕΙΣ ΩΣ ΠΡΟΣΚΕΚΛΗΜΕΝΟΣ ΟΜΙΛΗΤΗΣ (επιλογή, 2007 - σήμερα)

Παρουσιάσεις σε Διεθνείς Συναντήσεις

- "[Federating Data Centers & Future Internet Testbeds across Greek Universities](#)", Workshop on Future Internet Developments in Greece, Future Internet Week, Athens, Greece, March 2014.
- "[NOVI: Networking innovations Over Virtualized Infrastructures](#)", GENI Engineering Conference – GEC 18, Brooklyn, New York - USA, October 2013
- "[Federated Testbeds for Future Internet Research: The NOVI Experience & NREN/GÉANT Potential](#)," GENI Engineering Conference – GEC 14, Boston, Massachusetts - USA, July 2012
- "[NOVI Experimental Research in Federated Future Internet Infrastructures](#)", EU-Japan Workshop on Experimental Future Internet Research, Future Internet Week, Aalborg, Denmark, May 2012
- "[Federated Virtualized Infrastructures & Future INTERNET Research: The NOVI Experience](#)", IEEE CloudCom - NETCLOUD Workshop, Athens, Greece, November 2011
- "[Federated Virtualized Infrastructures & Future INTERNET Research: European National Research & Education Networks - NRENs/GÉANT supporting FEDERICA & NOVI Future Internet Initiatives](#)", CATT-NYU.Poly, Brooklyn N.Y., USA, October 2011
- "[The Future Internet is Present in Europe: Role of Research & Education Networks \(NRENs\) & GÉANT](#)", APAN 31st Meeting, Hong Kong, China, February, 2011
- "[The Future of GÉANT: The Future Internet is Present in Europe](#)", GÉANT Symposium 2010, Vienna, Austria, November 2010
- "[Future Internet Experiments over National Research & Education Networks: The Use Cases of FEDERICA & NOVI over European NRENs - GÉANT](#)", APAN 30th Meeting, Hanoi Vietnam, August 2010
- "[Supporting e-Science in the ERA & Beyond: The Experience of the GÉANT - NREN Federation](#)", Meeting of Chairs of Major Research Related Organizations, European Commission, DG Research, Brussels, July 2010
- "[Trans-Atlantic Cooperation on Experimental Research towards the Future Internet](#)," Trans-Atlantic Cooperation on Research Network Infrastructures Strategic Workshop, Vilnius, Lithuania, June 2010
- "[GÉANT as a Research Infrastructure: Interconnecting NRENs in Europe & Beyond](#)," EU - India Workshop on Research Infrastructures, Indian National Science Academy, New Delhi, India, January 2010
- "[GÉANT: Interconnecting NRENs in Europe & Beyond](#)," Chinese Academy of Science - EU Workshop on Research e-Infrastructures, Beijing, China, November 2009
- "[FEDERICA: A Consortium Based on NREN – GÉANT Infrastructures Supporting Future Internet Research](#)," e-Infrastructures for e-Science: 7th Concertation Meeting , Brussels, October 2009

- ["Interconnected NRENs in Europe & GÉANT: Mission & Governance Issues,"](#) e-Infrastructures for e-Science: 7th Concertation Meeting , Brussels, October 2009
- ["Next Generation Network Innovations in Europe: The NREN - GEANT Perspective & FEDERICA"](#) , 2nd EU-Japan Cooperation Forum on ICT Research, Brussels, July 2009.
- ["National Research & Education Networking in Europe & GÉANT: A RI Success & its Global Mission,"](#) European Conference on Research Infrastructures, Versailles, France, December 2008
- ["GÉANT3 Strategy: Planning Next Generation Research & Education Networking in Europe"](#) , Internet2 Member Meeting, New Orleans LA, USA, October 2008
- ["GÉANT3:Next Generation Networking in Europe"](#) , CESNET 08 Conference, Prague, Czech Republic, September 2008
- ["Is there Life after GEANT2?"](#) Internet2 Members Meeting, Arlington VA, USA, April 2008
- ["GÉANT3 - European R&E Networking after 2008"](#) , NORDUnet Conference, Helsinki Finland, April 2008
- ["What should come after GÉANT2 ?"](#) , Bled Conference on GÉANT2: A Global Leader, Slovenia, March 2008
- ["What are National Research & Education Networks and why they are important"](#) , EUMED Event, Brussels, October 2007
- ["Next Generation Networking in Europe: GEANT3 and FEDERICA"](#) , e-IRG Workshop, Lisbon Portugal, October 2007
- ["Keynote Speech on GEANT2"](#) , 10th IFIP - IEEE Integrated Management Symposium, Munich Germany, May 2007
- ["European e-Infrastructures for Networking Research: The FEDERICA Concept"](#) , TERENA European Future Networking Initiatives Workshop, Amsterdam Netherlands, February 2007

Παρουσιάσεις σε Ελληνικό Ακροατήριο

- ["Περιφερειακή Ανάπτυξη της Χώρας γύρω από την Έρευνα και την Καινοτομία - Νέα Προγραμματική Συμφωνία 2014-2020,"](#) Ημερίδα Χρηματοδοτικές Δυνατότητες για Νέες Καινοτόμες Επιχειρήσεις, Ε.Μ.Π., Ζωγράφου, Απρίλιος 2013
- ["Η Ελλάδα Καινοτομεί: Ελληνικές δράσεις για την Εκμετάλλευση και Εμπορευματοποίηση Ερευνητικών προτάσεων, HORIZON 2020, Δημιουργία Clusters: Ευκαιρίες και Προοπτικές,"](#) Ημερίδα Απονομής Βραβείων Καινοτομίας, ΙΤΕ, Ηράκλειο, Ιούνιος 2013
- ["Ο Ερευνητικός Ιστός της Χώρας προς το 2020: Η Ελληνική & Ευρωπαϊκή Εμπειρία των Ακαδημαϊκών - Ερευνητικών Δικτύων Τηλεματικής,"](#) Ημερίδα ΠΟΣΔΕΠ, ΟΣΕΠ- ΤΕΙ, ΕΕΙ, Αθήνα, Φεβρουάριος 2012
- ["Ερευνητικές Διαστάσεις στο Internet του Μέλλοντος - το Κοινοτικό Ερευνητικό Πρόγραμμα NOVI,"](#) Cisco Expro, Αθήνα, Απρίλιος 2010

- "[Ανάπτυξη & Λειτουργία Υποδομών Εξομοίωσης \(Emulation\) για Κατανεμημένες Διεθνείς Δράσεις περί το INTERNET Νέας Γενιάς](#)", Ημερίδα Διεθνείς Πλατφόρμες Τηλεπικοινωνιών & Καινοτόμες Δράσεις, Θεσσαλονίκη, Σεπτέμβριος 2008
- "[Ευρωπαϊκές & Παγκόσμιες Προτοβουλίες στα Ακαδημαϊκά - Ερευνητικά Δίκτυα](#)", Ημερίδα για την παρουσίαση του Δικτύου Νέας Γενιάς ΕΔΕΤ3, Αθήνα, Δεκέμβριος 2007
- "[Το INTERNET στην Εποχή της Παγκοσμιοποίησης: Παρελθόν, Παρόν & Μέλλον](#)", Ημερίδα για τα 170 Χρόνια Ε.Μ.Π., Αθήνα, Δεκέμβριος 2007.
- "[Η Συμβολή των Πανεπιστημιακών Δικτύων στη Διαμόρφωση του Internet Νέας Γενιάς: Το Παράδειγμα του GÉANT](#)", 1^ο Πανελλήνιο Συνέδριο Φοιτητών Ηλεκτρολόγων Μηχανικών & Μηχανικών Υπολογιστών, Αθήνα, Μάιος 2007

Άρθρα σε Διεθνή Επιστημονικά Περιοδικά

- [J1] K. Giotis, C. Argyropoulos, G. Androulidakis, D. Kalogeras, V. Maglaris, "Combining OpenFlow and sFlow for an Effective and Scalable Anomaly Detection and Mitigation Mechanism on SDN Environments," *Computer Networks*, Vol. 62, No.7, pp. 122-136, April 2014.
- [J2] J. van der Ham, J. Stéger, S. Laki, Y. Kryftis, V. Maglaris and C. de Laat, "The NOVI Information Models," in *Future Generation Computer Systems* (Elsevier, <http://dx.doi.org/10.1016/j.future.2013.12.017>), Dec. 2013.
- [J3] C. Papagianni, A. Leivadeas, S. Papavassiliou, V. Maglaris, C. Cervello-Pastor and A. Monje, "On the Optimal Allocation of Virtual Resources in Cloud Computing Networks," *IEEE Transactions on Computers*, Vol.62, No.6, pp.1060,1071, June 2013.
- [J4] L. Lymberopoulos, M. Grammatikou, M. Potts, P. Grosso, A. Fekete, B. Belter, M. Campanella and V. Maglaris, "NOVI Tools and Algorithms for Federating Virtualized Infrastructures," *Future Internet – From Technological Promises to Reality, Springer Lecture Notes in Computer Science*, pp. 213-224, 2012.
- [J5] L. Lymberopoulos, C. Pittaras, M. Grammatikou, S. Papavassiliou and V. Maglaris, "PLATON: Peer-to-Peer load adjusting tree overlay networks," in *Springer Peer-to-Peer Networking and Applications*, Volume 5, Number 2, pp. 125-142, 2012.
- [J6] K. Troulos and V. Maglaris, "Factors determining municipal broadband strategies across Europe," *Journal of Telecommunications Policy*, Vol. 35, Issue 9-10, pp. 842-856, October - November 2011.
- [J7] V. Pouli, C. Marinos, M. Grammatikou, S. Papavassiliou & V. Maglaris: "A Service Oriented SLA Management Framework For Grid Environments," *International Journal of Systems and Service-Oriented Engineering*, Vol.1 , No. 3, pp. 21-38, July-September, IGI Global, 2010.
- [J8] K. Troulos, V. Merekoulis and V. Maglaris, "A Business Model for Municipal FTTH/B Networks: The Case of Rural Greece," in *Info Magazine*, Vol. 12 Issue 3, pp.73 - 89, 2010.
- [J9] A. Lenis, V. Merekoulis and V. Maglaris, "Designing Connection Oriented Networks for Multi-Domain Path Resilience," in *Journal of Network and Systems Management*, DOI 10.1007/s10922-009-9155-z, Jan. 2010.
- [J10] V. Myroni, A. Pombortsis and V. Maglaris, "Innovative Design Issues of a Distributed e-learning Environment," *International Journal of Innovation and Regional Development* 2 (3), pp. 240-258, 2010.
- [J11] P. Szegedi, S. Figuerola, M. Campanella, V. Maglaris and C. Cervelló-Pastor, "With Evolution for Revolution: Managing FEDERICA for Future Internet Research," *IEEE Communications Magazine*, Vol. 47, No. 7, pp. 34-39, July 2009.

- [J12] A. Moralis, V. Pouli, S. Papavassiliou and V. Maglaris, "A Kerberos Security Architecture for Web Services based Instrumentation Grids," *Elsevier Future Generation Computer Systems*, Vol. 25, No. 7, pp. 804-818, July 2009.
- [J13] A. Liakopoulos, D. Kalogeras, V. Maglaris, D. Primpas and C. Bouras, "QoS Experiences in Native IPv6 networks," *International Journal of Network Management*, Vol.19, No.1, pp.119-137, January/February 2009
- [J14] V. Karyotis, S. Papavassiliou, M. Grammatikou and V. Maglaris, "A Novel Framework for Mobile Attack Strategy Modeling and Vulnerability Analysis in Wireless Ad-hoc Networks," *International Journal of Security and Networks (IJSN)*, Vol.1, Nos. 3/4, pp. 255-265, 2006.
- [J15] C. Siaterlis and V. Maglaris, "One step ahead to multisensor data fusion for DDoS detection," *Journal of Computer Security*, vol. 13, Number 5, pp. 779-806, 2005.
- [J16] A. Liakopoulos, B. Maglaris, C. Bouras and A. Sevasti, "Providing and verifying advanced IP services in hierarchical DiffServ Networks - the case of GEANT," *International Journal of Communication Systems*, Wiley InterScience, 2004.
- [J17] G. Koutepas, F. Stamatelopoulos, and B. Maglaris, "Distributed Management Architecture for Cooperative Detection and Reaction to DDoS Attacks," *Special Issue on Security and Management, Journal of Network and Systems Management*, Vol. 12, No. 1, March 2004.
- [J18] C. Stathis and B. Maglaris, "Modelling the self-similar behaviour of network traffic," *Computer Networks*, Vol. 34, No. 1, pp. 37-47, July 2000.
- [J19] F. Stamatelopoulos and B. Maglaris, "Performance and Efficiency in Distributed Enterprise Management" *Journal of Network and Systems Management*, 1999.
- [J20] C. Stathis and B. Maglaris, "Modelling and Call Admission Control for Self-Similar WAN Traffic," *Simulation Series 31*, pp. 60-65, 1999.
- [J21] D. Dimitrijevic, B. Maglaris and R. Boorstyn, "Routing in Multidomain Networks," *IEEE/ACM Transactions on Networking*, Vol. 2, No.3, June 1994.
- [J22] B. Maglaris, R. Boorstyn, S. Panwar, T. Spirtos, P. O'Reilly and C. Jack, "Routing of Voice and Data in Burst-switched Networks," *IEEE Transactions on Communications*, vol. 38 (6), 889-897, 1990.
- [J23] P. Sen, B. Maglaris, N. Rikli and D. Anastassiou, "Models for Packet Switching of Variable-bit-rate Video Sources," *IEEE Journal on Selected Areas in Communications*, 7 (5), 865-869, 1989.
- [J24] B. Maglaris, D. Anastassiou, P. Sen, G. Karlsson and J. Robbins, "Performance Models of Statistical Multiplexing in Packet Video Communications," *IEEE Transactions on Communications*, Vol. 36 (7), 834-844, 1988.
- [J25] R. Boorstyn, A. Kershbaum, B. Maglaris and V. Sahin, "Throughput Analysis in Multihop CSMA Packet Radio Networks," *IEEE Transactions on Communications*, Vol. 35 (3), 267-274, 1987.
- [J26] B. Maglaris and M. Schwartz, "Optimal Fixed Frame Multiplexing in Integrated Line-and Packet-switched Communication Networks," *IEEE Transactions on Information Theory*, 28 (2), 263-273, 1982.
- [J27] B. Maglaris and M. Schwartz, "Performance Evaluation of a Variable Frame Multiplexer for Integrated Switched Networks," *IEEE Transactions on Communications*, 29 (6), 800-807, 1981.

- [C1] C. Argyropoulos, G. Androulidakis, D. Kalogeras, B. Pietrzak, B. Belter, L. Lymberopoulos and V. Maglaris, "Network Virtualization over Heterogeneous Federated Infrastructures: Data Plane Connectivity," *IFIP/IEEE Integrated Network Management Symposium (IEEE IM 2013)*, Ghent, Belgium, May 2013.
- [C2] C. Argyropoulos, D. Kalogeras, G. Androulidakis and V. Maglaris, "PaFloMon -- A Slice Aware Passive Flow Monitoring Framework for OpenFlow Enabled Experimental Facilities," in *2012 European Workshop on Software Defined Networking (EWSND)*, vol., no., pp.97,102, 25-26 Oct. 2012.
- [C3] L. Lymberopoulos, P. Grosso, C. Papagianni, D. Kalogeras, G. Androulidakis, J. van der Ham, C. de Laat and V. Maglaris, "Managing Federations of Virtualized Infrastructures: A Semantic-Aware Policy Based Approach," in Proc. of *3rd IEEE/IFIP International Workshop on Management of the Future Internet (ManFI 2011)*, Dublin, Ireland, May 27, 2011.
- [C4] C. Marinos, C. Argyropoulos, M. Grammatikou and V. Maglaris: "An Autonomic Monitoring Framework for QoS Management in Multi-Service Networks," in Proc. of the *2nd International ICST Conference on Mobile Networks & Management*, Spain, Sept. 2010.
- [C5] C. Troulos, V. Merekoulis and V. Maglaris, "A Business Model for Managing Municipal Metropolitan Area Networks: The Special Case of Greece," *International Conference on Ultra-Modern Telecommunications & Workshops*, 2009.
- [C6] C. Marinos, A. Porylakis, M. Grammatikou and V. Maglaris, "Interdomain SLAs Enforcement in Real QoS-Enabled Networks," in Proc. of the *TERENA Networking Conference (TNC2008)*, Bruges, Belgium, May 2008.
- [C7] C. Marinos, V. Pouli, M. Grammatikou and V. Maglaris, "Inter-Domain SLA Enforcement in QOS-Enabled Networks," in Proc. of the *3rd International Workshop on Distributed Cooperative laboratories: Instrumenting the GRID*, Ischia, Italy, April 2008.
- [C8] F Stamatelopoulos, T Chiotis and B Maglaris, "Extending Connection Admission Control to the System and Application Level," *5th HP Open View University Association Conference*, 2008.
- [C9] L. Lymberopoulos, S. Papavassiliou and V. Maglaris, "A novel Load Balancing Mechanism for P2P Networking," in Proc. of *GridNets 2007*, Lyon, France, October 2007.
- [C10] V. Chatzigiannakis, G. Androulidakis, K. Pelechrinis, S. Papavassiliou and V. Maglaris, "Data fusion Algorithms for Network Anomaly Detection: Classification and Evaluation," in Proc. of the *3rd International Conference on Networking and Services (ICNS 2007)*, Athens, Greece, June 2007.
- [C11] A. Moralis, V. Pouli, M. Grammatikou, S. Papavassiliou and V. Maglaris, "Performance Comparison of Web Services Security: Kerberos Token Profile against X.509 Token Profile," in Proc. of the *IEEE 3rd International Conference on Networking and Services*, Athens Greece, June 2007.
- [C12] V. Pouli, S. Kafetzoglou, M. Grammatikou, C. Tziouvaras, S. Papavassiliou and V. Maglaris, "Service Level Agreement Provisioning and Monitoring for End-to-

- End QoS," in Proc. of the *TERENA Networking Conference (TNC2007)*, Lyngby Denmark, May 2007.
- [C13] A. Lenis, M. Grammatikou, S. Papavassiliou and V. Maglaris, "Extending Instrumentation Grids to Wireless Sensor Networks," in Proc. of the *2nd International Workshop on Distributed Cooperative Laboratories: Instrumenting the Grid (INGRID 2007)*, Santa Margherita Ligure - Portofino, Italy, April 2007.
- [C14] A. Moralis, V. Pouli, M. Grammatikou, S. Papavassiliou and V. Maglaris, "A Security Architecture using Symmetric Cryptography and Kerberos-based approach for Performance Improvement in Grids," in Proc. of the *2nd International Workshop on Distributed Cooperative Laboratories: Instrumenting the Grid (INGRID 2007)*, Santa Margherita Ligure - Portofino, Italy, April 2007.
- [C15] G. Androulidakis, V. Chatzigiannakis, S. Papavassiliou, M. Grammatikou and V. Maglaris, "Understanding and Evaluating the Impact of Sampling on Anomaly Detection Techniques," in Proc. of the *IEEE MILCOM 2006*, Washington D.C., USA, October 2006.
- [C16] G. Koutepas, A. Douitsis, D. Philippides and V. Maglaris, "An Approach for the Administration and Security of IPv6 Transition Mechanisms: An SNMP MIB for 6to4," in Proc. of the *International Multi-Conference on Computing in the Global Information Technology*, Bucharest, Romania, August 2006.
- [C17] V. Chatzigiannakis, S. Papavassiliou, G. Androulidakis and V. Maglaris, "On the Realization of a Generalized Data Fusion and Network Anomaly Detection Framework," in Proc. of the *5th International Symposium in Communication Systems, Networks and Digital Signal Processing (CSNDSP 2006)*, pp. 251-255, July 2006.
- [C18] V. Chatzigiannakis, S. Papavassiliou, M. Grammatikou and B. Maglaris, "Hierarchical Anomaly Detection in Distributed Large- scale Sensor Networks," in Proc. of the *IEEE Symposium on Computers and Communications (IEEE ISCC, 2006)* pp. 761-767, June 2006.
- [C19] V. Karyotis, S. Papavassiliou, M. Grammatikou and B. Maglaris, "On the Characterization and Evaluation of Mobile attack Strategies in Wireless Ad-Hoc Networks," in Proc. of the *IEEE Symposium on Computers and Communications (IEEE ISCC 2006)*, pp. 29-34, June 2006.
- [C20] A. Moralis, V. Pouli, M. Grammatikou, S. Papavassiliou, and V. Maglaris, "A Security Subsystem for Instrumentation Grids", in *TERENA Networking Conference (TNC 2006)*, Italy, May 2006.
- [C21] V. Karyotis, S. Papavassiliou and B. Maglaris, "Modeling Framework for the Study and Analysis of Mobile Attack Propagation in Wireless Ad-Hoc Networks," in Proc. of the *12th European Wireless Conference (EW 2006)*, Athens Greece, April 2006.
- [C22] A. Moralis, A. Lenis, M. Grammatikou, S. Papavassiliou and V. Maglaris, "A Distributed Kerberized Access Architecture for Real Time Grids," in Proc. of the *4th International Workshop on Security In Information Systems WOSIS, 2006*
- [C23] V. Chatzigiannakis, A. Lenis, C. Siaterlis, M. Grammatikou, D. Kalogeras, S. Papavassiliou & V. Maglaris, "Distributed Network Monitoring and Anomaly Detection as a GRID application," in Proc. of the *12th HP Open View University Association Workshop (HPOVUA)*, Porto, Portugal, July 2005.

- [C24] V. Chatzigiannakis, D. Kalogeras, P. Astithas and B. Maglaris, "On the use of Reliable Multicast for Content Distribution," *TERENA Networking Conference (TNC 2005)*, Poznan, Poland, June 2005.
- [C25] A. Liakopoulos, D. Kalogeras, V. Maglaris, D. Primpas and C. Bouras, "QoS Experiences in Native IPv6 GRNET and 6NET Networks," in Proc. of *International Conference on Telecommunication Systems, Modelling and Analysis*, 2005
- [C26] C. Siaterlis and V. Maglaris, "Detecting incoming and Outgoing DDoS Attacks at the Edge Using a Single Set of Network Characteristics," in Proc. *IEEE 10th Symposium on Computer and Communications (ISCC)*, Cartagena, Spain, June 2005.
- [C27] G. Androulidakis, V. Chatzigiannakis, M. Grammatikou and F. Stamatelopoulos, "Network Flow-Based Anomaly Detection of DDoS Attacks," *TERENA Networking Conference (TNC 2004)*, Rhodes, Greece, June 2004.
- [C28] V. Chatzigiannakis, G. Androulidakis, M. Grammatikou and B. Maglaris, "A Distributed Intrusion Detection Prototype using Security Agents," in Proc. *HP Open View University Association (HPOVUA)*, Paris 2004.
- [C29] V. Chatzigiannakis, G. Androulidakis, M. Grammatikou and B. Maglaris, "An Architectural Framework for Distributed Intrusion Detection using Smart Agents," in Proc. *SAM04*, Las Vegas, USA 2004.
- [C30] A. Douitsis, D. Kalogeras and V. Maglaris, "Multicast Traffic Weathermap," *TERENA Networking Conference*, Rhodes, Greece, 2004.
- [C31] C. Siaterlis and B. Maglaris, "Detecting DDoS Attacks with Passive Measurement based Heuristic," in Proc. of *IEEE Symposium on Computer and Communication (ISCC)*, 2004.
- [C32] C. Siaterlis and B. Maglaris, "Towards Multisensor Data Fusion for DDoS detection, in Proc. *ACM Symposium on Applied Computing*, 2004.
- [C33] M. Grammatikou and B. Maglaris, "Primary HealthCare Information System – PHeCIS," in Proc. of *METMBS*, Las Vegas, USA 2003.
- [C34] G. Koutepas, F. Stamatelopoulos, V. Hatziyannakis, and B. Maglaris, "Design and Operational Characteristics of a Distributed Cooperative Infrastructure against DDoS Attacks," in Proc. of the *2nd European Conference on Information Warfare and Security (ECIW)*, University of Reading, UK, July 2003.
- [C35] G. Koutepas, F. Stamatelopoulos, V. Hatzigiannakis, and B. Maglaris, "An Adaptable Inter-Domain Infrastructure against DoS Attacks," in Proc. of the *International Conference on Advances in Infrastructure for e-Business, e-Education, e-Science, e-Medicine, and Mobile Technologies on the Internet*, L'Aquila, Italy, January 2003.
- [C36] K. Sakka, M. Grammatikou, D. Kalogeras and V. Maglaris, "Enabling User Service Control on Unified Messaging Systems," in Proc. of *International Conference on Software Telecommunications and Computer Networks*, 2003.
- [C37] C. Siaterlis, P. Roris and B. Maglaris, "A novel Approach for a Distributed Denial of Service Detection Engine," in Proc. *HP Open View University Association Workshop (HPOVUA)*, 2003.
- [C38] G. Koutepas, F. Stamatelopoulos, V. Hatziyannakis and B. Maglaris, "Design and Operational Characteristics of a Distributed Cooperative Infrastructure against

- DDoS Attacks," 2nd *European Conference on Information Warfare and Security (ECIW)*, 2003.
- [C39] G. Koutepas and B. Maglaris, "Detection and Reaction to Denial of Service Attacks," in Proc. Cyprus Security Society, "2nd *Conference on Information Security: From Theory to Practice*", Nikosia, Cyprus, October 2002.
- [C40] D. Velenis, D. Kalogeras and B. Maglaris, "SaTPEP: a TCP Performance Enhancing Proxy for Satellite Links," in Proc. of the 2nd *International IFIP-TC6 Networking Conference*, Pisa, Italy, May 2002.
- [C41] G. Koutepas, F. Stamatelopoulos and B. Maglaris, "Efficiency and Performance Issues in Distributed Intrusion Detection Systems," in Proc. of the *Applied Telecommunication Symposium (ATS)*, San Diego, CA, USA, April 2002.
- [C42] P. Astithas, G. Koutepas, A. Moralis, and B. Maglaris, "SIDS - A System for Enterprise-wide Intrusion Detection," in Proc. of the *International System Security Engineering Association Conference*, Orlando, FL, USA, February 2001.
- [C43] M. Grammatikou, F. Stamatelopoulos and B. Maglaris, "Distributed Architectural Framework For Patient Records Management," in Proc. of the *METMBS' Conference*, Las Vegas, USA 2001.
- [C44] M. Grammatikou, F. Stamatelopoulos, A. Douitsis and B. Maglaris, "Managing a Distributed Healthcare Information Service," 8th *Workshop of the HP OpenView University Association*, Berlin, Germany, 2001.
- [C45] C. Kotsokalis, D. Kalogeras and B. Maglaris, "Router-based detection of DoS and DDoS attacks," 8th *Workshop of the HP OpenView University Association*, Berlin, Germany, 2001.
- [C46] M. Grammatikou, F. Stamatelopoulos, A. Lenis and B. Maglaris, "Internet-based Distributed Framework For Patient Records Management in the Primary Healthcare Environment," in Proc. *MEDnet*, Italy, 2001.
- [C47] M. Grammatikou, F. Stamatelopoulos and B. Maglaris, "Distributed Information System Architecture For Primary Health Care," in Proc. *Medical Informatics*, Hannover, Germany, August 2000.
- [C48] P. Astithas, G. Koutepas, A. Moralis and B. Maglaris, "Security management in large enterprise networks," in Proc. of the 7th *Workshop of the HP OpenView University Association*, Santorini, Greece, June 2000.
- [C49] P. Astithas, G. Koutepas and B. Maglaris, "Integrating Intrusion Detection and Network Management," in Proc. *HP Open View University Association Conference (HPOVUA)*, Bologna, Italy, June 1999.
- [C50] C. Stathis and B. Maglaris, "Multifractal Analysis Experiments with Internet Traffic," Proceedings of the 7th *IFIP Workshop of Performance Modelling and Evaluation of ATM and IP Networks*, Antwerp, Belgium, 1999.
- [C51] F. Stamatelopoulos and B. Maglaris "A caching model for efficient distributed network and systems management," in Proc. of the 3rd *IEEE Symposium on Computers and Communications*, (ISCC'98), 1998.
- [C52] T. Chiotis, K. Berdekas, T. Karounos and B. Maglaris, "The ISDN Controller MIB: SNMP Management of Narrow-Band ISDN Interfaces," in Proc. of *International Conference on Telecommunications (ICT' 98)*, Chalkidiki, Greece, 1998.

- [C53] F. Stamatelopoulos, G. Koutepas, and B. Maglaris, "System Security Management via SNMP," in Proc. of *HP Open View University Association Conference (HPOVUA)*, Madrid, Spain, April 1997.
- [C54] T. Chiotis, F. Stamatelopoulos and B. Maglaris, "Traffic Source Models for Realistic ATM Performance Modelling," in Proc. of *5th IFIP Workshop on Performance Modelling and Evaluation of ATM Networks*, 1997.
- [C55] F. Stamatelopoulos, T. Chiotis and B. Maglaris, "QoS Management for Internet Information Services," in Proc. of the *12th International Symposium on Computer and Information Sciences (ISCIS XII)*, Antalya, Turkey, 1997.
- [C56] F. Stamatelopoulos and B. Maglaris, "A Management Architecture for Internet Information Services," in Proc. of *4th Plenary Workshop of the HP Open View University Association*, 1997.
- [C57] F. Stamatelopoulos, N. Roussopoulos and B. Maglaris, "Using a DBMS for Hierarchical Network Management," in Proc. of *NETWORLD+ INTEROP '95*, 1995.
- [C58] T. Chiotis and B. Maglaris, "The Effective Bandwidth Approach: Configuration of ATM Virtual Connections," in Proc. of *NETWORLD+ INTEROP 95*, 1995.
- [C59] T Chiotis, T Karounos and B Maglaris, "Inter-Organizational Documenting Services over ISDN/IBC networks in Europe," in Proc. of *COMCON 5*, Rithymna, Crete, Greece, 1995.
- [C60] F. Stamatelopoulos, T. Chiotis and B. Maglaris "A Scalable, Platform-based Architecture for Multiple Domain Network Management," in Proc. of the *IEEE International Conference on Communications, ICC'95*, Seattle, Washington, 1995.
- [C61] B. Maglaris, T. Karounos and A. Kindt, "Management of Distributed Services Networks: Shared Tele-Publishing via ISDN," in Proc. of the *Network Management and Control Symposium*, 1994.
- [C62] B. Maglaris, T. Karounos and A. Kindt, "Service Management Concepts in Shared Business Environments," *IEEE International Conference on Communications, ICC'94*, 1994.
- [C63] D. Dimitrijevic, B. Maglaris and R. Boorstyn, "Routing in Multi-Domain Networks," in Proc. of *IEEE INFOCOM*, 1990.
- [C64] C. Chao, P Sarachik, B. Maglaris, R Boorstyn and D. Dimitrijević, "Control of Multi-domain Networks," in Proc. of the *Network Management and Control Symposium*, pp. 377-387, New York 1990.
- [C65] B. Maglaris, R. Boorstyn, S. Panwar and T. Spirtos, "Routing in Burst-switched Voice/data Integrated Networks," in Proc. of *IEEE INFOCOM*, 162-169, 1987.
- [C66] P. Sen, N. Rikli and B. Maglaris, "Queueing Analysis for Packet Switched Video," in Proc. of the *Cambridge Symposium*, 440-445, 1987.
- [C67] B. Maglaris, "An Optimal Local Policy for Two-Level Adaptive Routing in Computer Networks," in Proc. of *IEEE INFOCOM*, 284-290, 1984.
- [C68] B. Maglaris, R. Boorstyn and A. Kershenbaum, "Extensions to the Analysis of Multihop Packet Radio Networks," in Proc. of *IEEE INFOCOM*, 390-395, 1983.
- [C69] B. Maglaris, R. Boorstyn and A. Kershenbaum, "Extensions to the Analysis of Multihop Packet Radio Networks," in Proc. of *IEEE INFOCOM*, 390-395, 1983.

- [C70] B. Maglaris and M. Schwartz, "Optimal Bandwidth Allocation in Integrated Line- and Packet-switched Channels," in Proc. of the *IEEE International Conference on Communications, ICC'79*, Volume 2 2, 20, 1979.
- [C71] B. Maglaris and M. Schwartz, "An Integrated Packet-and-Line Switched Time Sharing Scheme for a Terminal-to-Computer Network," in Proc. of the *International Symposium MECO'78*, Athens, June 26-29, 1978.

Διεθνείς Επιστημονικές Συλλογές

- [B1] M. Campanella, V. Maglaris and M. Pots, "Virtual Infrastructures in Future Internet," in *IOS Press, Towards the Future Internet*, G. Tselentis et.al. (Eds.), pp. 63-73, April 2010.
- [B2] A. Lenis, M. Grammatikou, V. Maglaris and S. Papavassiliou, "Extending Instrumentation Grids to Wireless Sensor Networks," in *Grid Enabled Remote Instrumentation*, pp. 21-32, 2009.
- [B3] A. Moralis, V. Pouli, M. Grammatikou, S. Papavassiliou, and V. Maglaris, "Improving the Security Performance in Computer Grids," *Improving the Security Performance in Computer Grids, Grid Enabled Instrumentation and Measurement*, Springer, New York, 2009.