

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 Πρωτοβουλίες 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.
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- [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.
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- [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.
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- [J9] A. Lenis, V. Merekoulias 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.

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