

ΒΙΟΓΡΑΦΙΚΟ ΣΗΜΕΙΩΜΑ

1. ΑΤΟΜΙΚΑ ΣΤΟΙΧΕΙΑ

Επώνυμο : Ζαχαριάδης
Όνομα : Θεόδωρος
Ημερομηνία γεννήσεως : Ιανουάριος 1972
Τόπος γεννήσεως : Χαλκίδα

2. ΣΠΟΥΔΕΣ

Ph.D. Εθνικό Μετσόβιο Πολυτεχνείο,
Τμήμα Μηχανικών Ηλεκτρολόγων Μηχανικών και Μηχανικών Ηλεκτρονικών
Υπολογιστών, Εργαστήριο Τηλεπικοινωνιών, Ιούνιος 1998.
Τίτλος Διατριβής: *Ενοποιημένες αρχιτεκτονικές παροχής ολοκληρωμένων
υπηρεσιών σε Μητροπολιτικά Δίκτυα*
Επιβλέποντες καθηγητές: Δρ. Ε. Συκάς, Δρ. Γ. Στασινόπουλος

Πτυχίο Πανεπιστήμιο Πατρών, Πολυτεχνική Σχολή,
Τμήμα Μηχανικών Ηλεκτρονικών Υπολογιστών και Πληροφορικής, Ιούλιος 1994.
Τίτλος Διατριβής: *Ενοποίηση βάσης δεδομένων ORACLE με το πρωτόκολλο
X.500 για τη δημιουργία Ιδεατής Βιβλιοθήκης*
Επιβλέποντες καθηγητές: Δρ. Δ. Μαρίτσα

3. ΜΕΛΟΣ ΕΠΙΣΤΗΜΟΝΙΚΩΝ ΟΜΑΔΩΝ

- Τεχνικό Επιμελητήριο Ελλάδος (ΤΕΕ)
- Πανελλήνιος Σύλλογος Διπλωματούχων Μηχανικών Η/Υ και Πληροφορικής
- Institute of Electrical and Electronics Engineers (IEEE)
- IEEE Communications Society
- IEEE Computer Society
- Association for Computing Machinery (ACM)
- European Future Internet Assembly (FIA)
- European Future Content Networks (FCN) Group
- European Media Delivery Platform (MDP) cluster
- European Future Media & 3D Internet (FM3DTI) Task Force
- Networked & Electronic Media (NEM) Technology Platform
- Networked European Services and Software Initiative (NESSI) Technology Platform
- Mobile & Wireless Communications Technology Platform (eMobility) Technology Platform

4. ΔΙΔΑΚΤΙΚΗ ΕΜΠΕΙΡΙΑ

- 1/2017-σήμερα:** *Καθηγητής* στο τμήμα Ηλεκτρολόγων Μηχανικών Τ.Ε., Σχολή Τεχνολογικών Εφαρμογών, ΤΕΙ Στερεάς Ελλάδας (πρώην ΤΕΙ Χαλκίδας). Διδασκαλία μαθημάτων: Δίκτυα Υπολογιστών, Μικροϋπολογιστές, Τεχνολογίες Πολυμέσων, Τεχνολογίες Διαδικτύου, Υπολογιστικά Συστήματα & Αλγόριθμοι, Αντικειμενοστραφής Προγραμματισμός.
- 2/2015-σήμερα:** *Καθηγητής Μεταπτυχιακού Προγράμματος «Ευφυής Διαχείριση Ανανεώσιμων Ενεργειακών Συστημάτων» (ΔΕΣΜΕΣ)* στο τμήμα Ηλεκτρολόγων Μηχανικών Τ.Ε., Σχολή Τεχνολογικών Εφαρμογών, ΤΕΙ Στερεάς Ελλάδας. Διδασκαλία μαθημάτων: Τηλεμετρία και Έλεγχος, Ασφάλεια Δικτύων.
- 2/2013-1/2017:** *Αναπληρωτής Καθηγητής* στο τμήμα Ηλεκτρολόγων Μηχανικών Τ.Ε., Σχολή Τεχνολογικών Εφαρμογών, ΤΕΙ Στερεάς Ελλάδας (πρώην ΤΕΙ Χαλκίδας). Διδασκαλία μαθημάτων: Δίκτυα Υπολογιστών, Συστήματα Αυτομάτου Ελέγχου ΙΙ, Μικροϋπολογιστές, Τεχνολογίες Πολυμέσων, Τεχνολογίες Διαδικτύου, Υπολογιστικά Συστήματα & Αλγόριθμοι, Προγραμματισμός (Java), Συστήματα Αυτομάτου Ελέγχου ΙΙ (Εργαστήριο).
- 7/2006-2/2013:** *Επίκουρος Καθηγητής* στο τμήμα Ηλεκτρολογίας, Σχολή Τεχνολογικών Εφαρμογών, ΤΕΙ Χαλκίδας. Διδασκαλία μαθημάτων: Δίκτυα Υπολογιστών & Τηλεματική, Συστήματα Αυτομάτου Ελέγχου ΙΙ, Μικροϋπολογιστές, Ηλεκτρονικά ΙΙ (Εργαστήριο), Συστήματα Αυτομάτου Ελέγχου ΙΙ (Εργαστήριο), Εξομοίωση Ηλεκτρικών & Ηλεκτρονικών Κυκλωμάτων.
- 9/2001-6/2006:** *Επιστημονικός Συνεργάτης* στο τμήμα Ηλεκτρολογίας, Σχολή Τεχνολογικών Εφαρμογών, ΤΕΙ Χαλκίδας. Διδασκαλία μαθημάτων: Δίκτυα Υπολογιστών & Τηλεματική, Συστήματα Αυτομάτου Ελέγχου ΙΙ, Μικροϋπολογιστές.
- 11/2001-6/2002:** *Επιστημονικός Συνεργάτης* στο τμήμα Αυτοματισμού, Σχολή Τεχνολογικών Εφαρμογών, ΤΕΙ Χαλκίδας. Διδασκαλία μαθημάτων: Δίκτυα Υπολογιστών, Μικροϋπολογιστές.
- 11/1994-6/1998:** *Μεταπτυχιακός Διδακτικός Βοηθός* στο τμήμα των Ηλεκτρολόγων Μηχανικών και Ηλεκτρονικών Υπολογιστών του ΕΜΠ. Ανάπτυξη φροντιστηριακών ασκήσεων.

5. ΕΠΑΓΓΕΛΜΑΤΙΚΗ ΕΜΠΕΙΡΙΑ

- 9/2016-Σήμερα:** *Πρόεδρος του Τμήματος Ηλεκτρολόγων Μηχανικών Τ.Ε.* στο ΤΕΙ Στερεάς Ελλάδας.
- 12/2014-11/2016:** *Διευθυντής του Μεταπτυχιακού Προγράμματος Σπουδών «Ευφυής Διαχείριση Ανανεώσιμων Ενεργειακών Συστημάτων» (ΔΕΣΜΕΣ) του Τμήματος Ηλεκτρολόγων Μηχανικών Τ.Ε.* στο ΤΕΙ Στερεάς Ελλάδας.
- 4/2014-8/2016:** *Αναπληρωτής Πρόεδρος Τμήματος Ηλεκτρολόγων Μηχανικών Τ.Ε.* στο ΤΕΙ Στερεάς Ελλάδας.
- 7/2006-Σήμερα:** *Υπεύθυνος Εργαστηρίου «Μικροϋπολογιστών & Εξομοίωσης» και Τεχνικός Υπεύθυνος Ερευνητικών Έργων* στο ΤΕΙ Στερεάς Ελλάδας σε θέματα

εφαρμογών τηλεματικής, ενσωματωμένα συστήματα, δίκτυα αισθητήρων, ασφάλεια δικτύων.

- 09/2007–10/2008:** *Υπεύθυνος Τομέα «Ηλεκτρονικών ΣΑΕ και Πληροφορικής», του τμήματος Ηλεκτρολογίας του ΤΕΙ Χαλκίδας*
- 11/2001-7/2006:** *Υπεύθυνος Μηχανικός Τηλεπικοινωνιών στη Γενική Διεύθυνση Στρατηγικού Σχεδιασμού της Ελληνικής Αεροπορικής Βιομηχανίας (ΕΑΒ).*
- 11/2001- 3/2005:** *Ellemedia Technologies Ltd. (συνεργαζόμενη με την εταιρία Lucent Technologies/Bell Laboratories) ως εξωτερικός συνεργάτης υπεύθυνος Ερευνητικών έργων.*
- 5/1998 - 11/2001:** *Τεχνικός Διευθυντής Ellemedia Technologies (συνεργαζόμενη με την εταιρία Lucent Technologies/Bell Laboratories).*
- 9/1994-2/1999:** *Ερευνητής στο Ερευνητικό Πανεπιστημιακό Ινστιτούτο Συστημάτων Επικοινωνιών και Υπολογιστών (ΕΠΙΣΕΥ), ΕΜΠ με διάφορες συμβάσεις έργου. Ερευνητικό έργο στην ανάπτυξη και διαχείριση δικτύων πολυμέσων, διαχείριση κυκλοφοριακών δεδομένων, διαχείριση τηλεφωνικών κέντρων*
- 7/1994-6/1999:** *Ερευνητής στο Εργαστήριο Τηλεπικοινωνιών, ΕΜΠ με διάφορες συμβάσεις έργου. Ερευνητικό έργο στην ανάπτυξη εφαρμογών τηλεματικής, πολυμεσικών δικτύων, διαχείριση ασύρματων και μητροπολιτικών δικτύων, οικιακών δικτύων.*
- 5/1990–Σήμερα:** *Ελεύθερος Επαγγελματίας, Εξωτερικός Συνεργάτης σε διάφορες εταιρείες και Ινστιτούτα όπως: Ινστιτούτο Τεχνολογίας Υπολογιστών (ΙΤΥ), ΙΝΤΡΑΚΟΜ, ΙΝΤΡΑΣΟΦΤ, Synelixix, Δήμος Πειραιά, Δήμος Χαλκιδέων, ΔΕΗ, Ινστιτούτο Βιοϊατρικής Τεχνολογίας (ΙΝΒΙΤ).*

6. ΚΥΡΙΑ ΕΡΓΑ

- *Επικεφαλής Επιστημονικός Υπεύθυνος (Project Technical Manager) του Ευρωπαϊκού Ερευνητικού Έργου H2020-740898, “DEFENDER” (Defending the European Energy Infrastructures), Έναρξη: 5/2017, Εκτιμώμενη Ολοκλήρωση: 4/2020*
- *Επικεφαλής Επιστημονικός Υπεύθυνος (Project Technical Manager) του Ευρωπαϊκού Ερευνητικού Έργου H2020-5G PPP-762013, “NRG-5” (Enabling Smart Energy as a Service via 5G Mobile Network advances), Έναρξη: 6/2017, Εκτιμώμενη Ολοκλήρωση: 12/2019*
- *Επιστημονικός Υπεύθυνος του υποέργου 8: «Δρομολόγηση και διαχείριση εμπιστοσύνης σε μεγάλα δίκτυα αισθητήρων» στα πλαίσια του έργου Αρχιμήδης ΙΙΙ- Ενίσχυση των ερευνητικών ομάδων ΤΕΙ ΧΑΛΚΙΔΑΣ, 01/07/2012 – 30/06/2015*
- *Επιστημονικός Υπεύθυνος του Ερευνητικού Έργου «Έξυπνο σύστημα Επικοινωνίας οΧημάτΩΝ για βελτιωμένη ασφάλεια και αποδοτικότητα σε αστικά δίκτυα και αυτοκινητοδρόμους (ΕΞΕΧΩΝ)», στο πλαίσιο της Δράσης «Συνεργασία» (ΕΣΠΑ 2007-2013), 3/2011-5/2014*

- *Επικεφαλής Επιστημονικός Υπεύθυνος (Project Technical Manager)* του Ευρωπαϊκού Ερευνητικού Έργου FP7-ICT-257245, “VITRO” (VIrTualized distributed platforms of smaRt Objects), 9/2010-2/2013
- *Επικεφαλής Επιστημονικός Υπεύθυνος (Project Technical Manager)* του Ευρωπαϊκού Ερευνητικού Έργου FP7-ICT-211998, “AWISSENET” (Ad-hoc personal area network & Wireless Sensor SEcure NETwork), 1/2008-2/2010
- Μέλος της *Κύριας Ερευνητικής Ομάδας* του έργου ARTEMIS-100032 SMART (Secure, Mobile visual sensor networks ArchiTecture), 5/2009-2/2013
- Μέλος της *Κύριας Ερευνητικής Ομάδας* του υποέργου «Ευφυής Δρομολόγηση σε Ασύρματα Δίκτυα Μικρών Κόμβων» του έργου Αρχιμήδης ΙΙ, ενίσχυση Ερευνητικών Ομάδων στο ΤΕΙ Χαλκίδας, 2005-2006.
- Μέλος της *Κύριας Ερευνητικής Ομάδας* του υποέργου “*Τεχνολογικό Τηλε-Εκπαιδευτικό Ιδρυμα (T²EI) Χαλκίδας*”, Πρόσκληση 98 της Κοινωνίας της Πληροφορίας, 2005-2006
- *Επικεφαλής Συντονιστής (Project Coordinator)* του έργου: IST-2005-028097 ASTRALS (Audio-visual STReaming plATform for domestic Leisure and Security)
- *Μέλος της Κύριας Ερευνητικής Ομάδας (Senior Researcher)* του έργου: PASR-2005 SOBCAH (Surveillance of Borders Coastlines and Harbours)
- *Επικεφαλής Συντονιστής (Project Coordinator)* του έργου: MediaGate No. 179, General Secretariat of Research & Technology (GSRT)
- *Μέλος της Κύριας Ερευνητικής Ομάδας (Chief Researcher)* IST-2004-004498 MobileIN (Harmonized Services over Heterogeneous Mobile, IN and WLAN Infrastructures)
- *Μέλος της Κύριας Ερευνητικής Ομάδας (Chief Researcher)* IST-1999-10731, ADAMAS (ADAPtive Multicarrier Access System)
- *Μέλος της Κύριας Ερευνητικής Ομάδας (Chief Researcher)* IST-1999-13305 WINMAN (WDM and IP Network Management)
- *Μέλος της Κύριας Ερευνητικής Ομάδας (Chief Researcher)* ESPRIT E27002 NOTE (Nomadic Teleworking Business Environment)
- *Μέλος της Κύριας Ερευνητικής Ομάδας (Chief Researcher)* ESPRIT/InfoGate (Information Gateway for the Home of 2000)
- *Μέλος της Κύριας Ερευνητικής Ομάδας (Chief Researcher)* ACTS-AC011/AMUSE (Advanced Multimedia Services for residential users)
- *Μέλος της Κύριας Ερευνητικής Ομάδας (Chief Researcher)* THERMIE/ENTRANCE (ENergy Savings in TRANSport through innovation in the Cities of Europe)
- *Μέλος της Κύριας Ερευνητικής Ομάδας (Chief Researcher)* RACE R2059/ICM (Integrated Communications Management)

- *Μέλος της Κύριας Ερευνητικής Ομάδας (Chief Researcher) RACE R2024/BAF (Broadband Access Facilities)*
- *Μέλος της Κύριας Ερευνητικής Ομάδας (Chief Researcher) DRIVE II/SCOPE (Advanced Transport Telematics in Southampton, Cologne and Piraeus)*

7. ΕΠΙΣΤΗΜΟΝΙΚΕΣ ΔΡΑΣΤΗΡΙΟΤΗΤΕΣ

- *Future Media & 3D Internet Task Force.* Εμπειρογνώμων – Μέλος Ομάδας Εργασίας της ΕΕ. Η ομάδα εργασίας αποτελείται από 20 εμπειρογνώμονες/ερευνητές. (7/2008- 12/2014)
- *Future Internet Assembly (FIA).* Συντονιστής της ομάδας Future Content Networks (FCN) που αποτελείται από 80 Ευρωπαϊκά Ερευνητικά Έργα και περισσότερους από 700 εμπειρογνώμονες (12/2007- 10/2015)
- *Media Delivery Platforms (MDP) Cluster.* Συντονιστής του cluster. Το cluster αποτελείται από 12 Ευρωπαϊκά Ερευνητικά Έργα.

ΑΛΛΕΣ ΕΠΙΣΤΗΜΟΝΙΚΕΣ ΔΡΑΣΤΗΡΙΟΤΗΤΕΣ/ΔΙΑΚΡΙΣΕΙΣ

- Υπεύθυνος Τομέα «Ηλεκτρονικών, ΣΑΕ και Πληροφορικής», του τμήματος Ηλεκτρολόγων Μηχανικών του ΤΕΙ Στερεάς Ελλάδας (2013-2014)
- Μέλος της ομάδας σύνταξης/αναθεώρησης του προγράμματος σπουδών του τμήματος Μηχανικών Πληροφορικής, ΤΕΙ Στερεάς Ελλάδας (2013)
- Μέλος της ομάδας σύνταξης/αναθεώρησης του προγράμματος σπουδών του τμήματος Μηχανικών Αεροσκαφών, ΤΕΙ Στερεάς Ελλάδας (2013)
- Μέλος της επιτροπής Διαχείρισης Δικτύου ΤΕΙ Χαλκίδας (2009)
- Μέλος της επιτροπής Συντήρησης & Αναβάθμισης Δικτύου ΤΕΙ Χαλκίδας (2009)
- Υπεύθυνος Τομέα «Ηλεκτρονικών ΣΑΕ και Πληροφορικής», του τμήματος Ηλεκτρολογίας του ΤΕΙ Χαλκίδας (2007-2008)
- Αντιπρόεδρος του συλλόγου «Ασύρματο Μητροπολιτικό Δίκτυο Χαλκίδας» (2006)
- Μέλος της Επιστημονικής Επιτροπής του ΤΕΕ «Διαδίκτυο και Πολυμέσα» (2005)
- Ζετής υποτροφία από το Ίδρυμα Κρατικών Υποτροφιών (ΙΚΥ) για Διδακτορικές Σπουδές στο εσωτερικό (1996-1998)
- Δίπλωμα Μηχανικού Υπολογιστών Υπολογιστών & Πληροφορικής με διάκριση (3ος στο έτος του) (1994)
- Υποτροφία από το Ευρωπαϊκό Πρόγραμμα TEMPUS για καλοκαιρινές σπουδές στο Παρίσι στα πλαίσια του Board of European Students of Technology (BEST). Θέμα: Διαχείριση Αποβλήτων (1993).
- Υποτροφία από το Ευρωπαϊκό Πρόγραμμα TEMPUS για καλοκαιρινές σπουδές στη Βαρσοβία στα πλαίσια του Board of European Students of Technology (BEST). Θέμα: Ανάλυση εικόνας και εφαρμογές (1992).

- Βραβείο ΤΕΕ (1992,1993,1994). 3ο έτος ΤΜΥΗΠ 8.58 (άριστα), 4ο έτος έτος ΤΜΥΗΠ 9.33 (άριστα), 5ο έτος έτος ΤΜΥΗΠ 9.21 (άριστα).
- Πανελλήνιες Εξετάσεις 1989. 1^{ος} στο νομό Ευβοίας, 6^{ος} στο Τμήμα Μηχανικών Υπολογιστών & Πληροφορικής (ΤΜΥΗΠ) του Πανεπιστημίου Πατρών (Σχολή με την υψηλότερη βαθμολογική βάση το 1989).
- 1^ο Βραβείο Πανελληνίου Διαγωνισμού της Μαθηματικής Εταιρείας για το νομό Ευβοίας (1989)
- Σημαιοφόρος στο 1^ο Λύκειο Χαλκίδας (1989)
- 1^ο Βραβείο Πανελληνίου Διαγωνισμού της Μαθηματικής Εταιρείας για το νομό Ευβοίας (1986)

ΔΙΟΡΓΑΝΩΣΗ ΕΠΙΣΤΗΜΟΝΙΚΩΝ ΣΥΝΕΔΡΙΩΝ

- Technical Program Committee και κριτής στο Διεθνές Επιστημονικό Συνέδριο International Conference on telecommunications & Multimedia (TEMU 2016), Heraclion, Greece, 25-27 July 2016
- Technical Program Committee και κριτής στο Διεθνές Επιστημονικό Συνέδριο 12th International Conference on Wireless Information Networks and Systems (WINSYS 2015), Colmor, France, 20-22 July 2015
- Technical Program Committee και κριτής στο Διεθνές Επιστημονικό Συνέδριο 11th International Conference on Wireless Information Networks and Systems (WINSYS 2014), Vienna, Austria, 28-30 August 2014
- Technical Program Committee και κριτής στο Διεθνές Επιστημονικό Συνέδριο International Conference on telecommunications & Multimedia (TEMU 2014), Heraclion, Greece, 28-30 July 2014
- Technical Program Committee και κριτής στο Διεθνές Επιστημονικό Συνέδριο 19th IEEE Symposium on Computers And Communications (IEEE-ISCC), June 23-26 2014, Madeira, Portugal
- Technical Program Committee και κριτής στο Διεθνές Επιστημονικό Συνέδριο International Conference on telecommunications & Multimedia (TEMU 2012), Heraclion, Greece, 30 July – 1st August 2012
- Τεχνικός Συντάκτης και κριτής του διεθνούς περιοδικού IEEE Wireless Communications (2003-2012)
- Technical Program Committee και κριτής στο Διεθνές Επιστημονικό Συνέδριο International Workshop on Systems, Signals and Image Processing, IWSSIP από το 2005 έως σήμερα
- General co-chair και κριτής στο Διεθνές Επιστημονικό Συνέδριο 12th International Workshop on Systems, Signals and Image Processing, IWSSIP'05 (2005)
- Technical Program Committee, 13th International Workshop on Systems, Signals and Image Processing, IWSSIP'06 (2006)

- General co-chair και κριτής στο Διεθνές Επιστημονικό Συνέδριο 16th International Workshop on Systems, Signals and Image Processing (IWSSIP'09)
- Πάνω από 2200 εταιροαναφορές στο επιστημονικό έργο

8. Δημοσιεύσεις (h-Index=26, i10-index=57, Citations=2240 με βάση το Google Scholar)

Διεθνείς Τυποποιήσεις (Standards)

- [S1] Th. Zahariadis, Y. Le Louedec, Ch. Timmerer, S. Spirou, D. Griffin “Catalogue of Advanced Use Cases for Content Delivery Network Interconnection,” 24 Oct. 2011, draft-fmn-cdni-advanced-use-cases-00
- [S2] Th. Zahariadis, P. Trakadas, “Design Guidelines for Routing Metrics Composition in LLN,” Internet-Draft submitted to IETF ROLL Working Group, 29 July 2011 to 23 November 2012, (5 updates) <http://tools.ietf.org/html/draft-zahariadis-roll-metrics-composition-04>
- [S3] Th. Zahariadis, H. C. Leligou, P. Trakadas, M. Dohler, "Building trust among Virtual Interconnecting Smart Objects in the Future Internet," IETF/IAB Workshop 80, Interconnecting Smart Objects with the Internet Workshop, Prague, 25 March 2011
- [S4] Th. Zahariadis, H. C. Leligou, P. Karkazis, P. Trakadas, S. Maniatis, “A Trust Framework for Low Power and Lossy Networks”, Internet-Draft submitted to IETF Networking Working Group, ROLL subgroup, 30 April 2009

Συγγραφή/Σύνταξη Βιβλίων

- [B1] P. Trakadas, H. Leligou, T. Zahariadis, P. Karkazis, L. Sarakis, “Managing QoS for Future Internet Applications over Virtual Sensor Networks,” Chapter of the book, “Future Internet Assembly,” FIA 2013, LNCS 7858, Springer, Copyright 2013, pp.52–63
- [B2] D. Papadimitriou, Th. Zahariadis, P. Martinez-Julia, I. Papafili, V. Morreale, F. Torelli, B. Sales, P. Demeester, “Design Principles for the Future Internet Architecture,” Chapter of the book, “Future Internet Assembly,” FIA 2012, LNCS 7281, pp. 55–67, 2012
- [B3] J. Domingue, A. Galis, A. Gavras, T. Zahariadis, D. Lambert, F. Cleary, P. Daras, S. Krco, H. Müller, M. Li, H. Schaffers, V. Lotz, F. Alvarez (Editors), "The Future Internet. Future Internet Assembly 2011: Achievements and Technological Promises," Series: Lecture Notes in Computer Science, Vol. 6656, 2011
- [B4] G. Tselentis, A. Galis, A. Gavras, S. Krco, V. Lotz, E. Simprel, B. Stiller, T. Zahariadis (Editors), “Towards the Future Internet – Emerging Trends from European Research”, IOS press, 2010
- [B5] G. Tselentis, AJ. Domingue, A. Galis, A. Gavras, D. Hausheer, S. Krco, V. Lotz, T. Zahariadis (Editors), “Towards the Future Internet – A European Research Perspective”, IOS press, 2009, ISBN: 978-1-60750-007-0
- [B6] Th. Zahariadis, “Home Networking Technologies & Standards,” Artech House, pages 210, Sept. 2003.

Κεφάλαια Σε Βιβλία (μετά από κρίση)

- [BC1] L. Sarakis, Th. Orphanoudakis, P. Chatzimisios, A. Papantonis, P. Karkazis, H. C Leligou, Th. Zahariadis, “802.11 p-Based VANET Applications Improving Road Safety and Traffic Management,” Emerging Innovations in Wireless Networks and Broadband Technologies, IGI Global, 2016, ISSN: 2327-3305

- [BC2] Th. Zahariadis, I. Koufoudakis, H.C. Leligou, L. Sarakis, and P. Karkazis, "Utilizing Social Interaction Information for Efficient 3D Immersive Overlay Communications," Chapter 12, pp.225-240, Springer, Book Title "Novel 3D Media Technologies," 2015, ISBN: 978-1-4939-2025-9
- [BC3] P. Trakadas, H. Leligou, T. Zahariadis, P. Karkazis, L. Sarakis, "Managing QoS for Future Internet Applications over Virtual Sensor Networks," Chapter of the book, "Future Internet Assembly," FIA 2013, LNCS 7858, Springer, Copyright 2013, pp.52–63
- [BC4] D. Papadimitriou, Th. Zahariadis, P. Martinez-Julia, I. Papafili, V. Morreale, F. Torelli, B. Sales, P. Demeester, "Design Principles for the Future Internet Architecture," Chapter of the book, "Future Internet Assembly," FIA 2012, LNCS 7281, pp. 55–67, 2012
- [BC5] D. Papadimitriou, B. Sales, P. Demeester, Th. Zahariadis, "From Internet Architecture Research to Standards" Chapter of the book, "Future Internet Assembly," FIA 2012, LNCS 7281, pp. 68–80, 2012
- [BC6] Th. Zahariadis, D. Papadimitriou, H. Tschofenig, S. Haller, P. Daras, G. Stamoulis, M. Hauswirth, "Towards a Future Internet Architecture," Chapter of the book, "Future Internet Assembly," LNCS 6656, Springer, Copyright 2011, pp. 7–18
- [BC7] Th. Zahariadis, P. Daras, J. Bouwen, N. Niebert, D. Griffin, F. Alvarez, G. Camarillo, "Towards a Content-Centric Internet," Chapter of the book, "Towards the Future Internet – Emerging Trends from European Research", IOS press, Copyright 2010, ISBN: 978-1-60750-539-6, pp. 227 - 236
- [BC8] Th. Zahariadis, Ch. Katsigiannis, A. Jari, R. Fracchia, J. Vehkapera, F. Alvarez, Th. Filoche, H. Koumaras, "Efficient Streaming in Future Internet," Chapter of the book, "Towards the Future Internet – Emerging Trends from European Research", IOS, Copyright 2010, ISBN: 978-1-60750-539-6, pp. 237 - 246
- [BC9] Th. Zahariadis, P. Trakadas, H. Leligou, K. Papadopoylos, E. Ladis, Ch. Tselikis, Ch. Vangelatos, L. Besson, J. Manner, M. Loupis, F. Alvarez, Y. Papaefstathiou, "Securing wireless sensor networks towards a trusted "Internet of Things" IOS press, Chapter of the book, "Towards the Future Internet - A European Research Perspective," Copyright 2009, ISBN: 978-1-60750-007-0, Copyright 2009, pp. 47-56
- [BC10] A. Sentinelli, L. Celetto, D. Lefol, Cl. Palazzi, G. Pau, Th. Zahariadis, A. Jari, "Survey on P2P Overlay Streaming Clients," IOS press, Chapter of the book, "Towards the Future Internet - A European Research Perspective," Copyright 2009, ISBN: 978-1-60750-007-0, pp.273 – 282, 2009
- [BC11] Th. Zahariadis, C. Lamy-Bergot, Th. Schierl, K. Grüneberg, L. Celetto, Ch. Timmerer, "Content Adaptation Issues in the Future Internet," IOS press, Chapter of the book, "Towards the Future Internet - A European Research Perspective," Copyright 2009, ISBN: 978-1-60750-007-0, pp.283-292

Δημοσιεύσεις σε Περιοδικά (μετά από κρίση)

- [Π1] E. Tsampasis, P. Gkonis, P. Trakadas, **Th. Zahariadis**, “On the Performance Evaluation of a MIMO–WCDMA Transmission Architecture for Building Management Systems” *MDPI Sensors* 2018, 18, 155; doi:10.3390/s18010155
- [Π2] E. Tsampasis, L. Sarakis, H. C. Leligou, **Th. Zahariadis**, J. Garofalakis, “Novel Simulation Approaches for Smart Grids” *Journal of Sensor and Actuator Networks*, Vol. 5, Issue 11, June 2016, doi:10.3390/jsan5030011
- [Π3] **Th. Zahariadis**, G. Pau, S. Tompros, T. Kwon, “Wireless/mobile connected entertainment,” *IEEE Wireless Communications (Guest Editorial)*, Vol. 23, Issue 1, February 2016, pp. 12-13
- [Π4] A. Papadakis, **Th. Zahariadis**, N. Nikolaou, “Adaptive content caching simulation with visualization capabilities,” *Springer, Telecommunication Systems*, August 2015, Volume 59, Issue 4, pp 531-539
- [Π5] P. Karkazis, P. Trakadas, **Th. Zahariadis**, I. Chatziagiannakis, M. Dohler, A. Vitaletti, A. Antoniou, H. C. Leligou, L. Sarakis, “Resource and service virtualisation in M2M and IoT platforms,” *International Journal of Intelligent Engineering Informatics*, Vol. 3, Issue 2/3, 2015, pp. 205-224
- [Π6] P. Karkazis, L. Sarakis, T. Velivassaki, P. Trakadas, H. C. Leligou, **Th. Zahariadis**, “Energy-Efficient Trust Management Scheme in Mobile Wireless Sensor Networks” *Open Transactions on Wireless Sensor Networks*, Volume 1, Number 1, pp.47-62, December 2014
- [Π7] **Th. Zahariadis**, F. Alvarez, P. Moore, "An architectural approach towards Future Media Internet," *Springer, Multimedia Tools and Applications, Springer Multimedia Tools and Applications*, Volume 70, Issue 1 (2014), Page 297-309, 10.1007/s11042-011-0826-x (printed on-line 7/6/2011)
- [Π8] H.C.Leligou, P. Chatzimisios, L. Sarakis, Th. Orphanoudakis, P. Karkazis, **Th. Zahariadis**, “An 802.11 p Compliant System Prototype Supporting Road Safety and Traffic Management Applications,” *International Journal of Wireless Networks and Broadband Technologies (IJWNB T)*, Vol. 3 Issue 1, January 2014, pp. 1-17
- [Π9] P. Karkazis, P. Trakadas, H. C. Leligou, L. Sarakis, T. Velivassaki, I. Papaefstathiou, **Th. Zahariadis**, “Evaluating routing metric composition approaches for QoS differentiation in low power and lossy networks”, *Springer, Wireless Networks*, Vol. 19, Issue 6 (Dec. 2012), Page 1269-1284, DOI 10.1007/s11276-012-0532-2
- [Π10] H. N. Velivasaki, P. Karkazis, **Th. Zahariadis**, P. T. Trakadas, C. N. Capsalis, “Trust-aware and link-reliable routing metric composition for wireless sensor networks,” *Wiley Transactions on Emerging Telecommunications Technologies*, Sept. 2012, DOI: 10.1002/ett.2592
- [Π11] **T. Zahariadis**, P. Trakadas, H.C. Leligou, S. Maniatis, P. Karkazis, “A novel trust-aware geographical routing scheme for wireless sensor networks”, *Wireless Personal Communications*, April 2012, DOI: 10.1007/s11277-012-0613-7.
- [Π12] Lambros Sarakis, **Theodore Zahariadis**, Helen-Catherine Leligou and Mischa Dohler, “A Framework for Service Provisioning in Virtual Sensor Networks”, *EURASIP Journal on Wireless Communications and Networking*, April 2012, doi:10.1186/1687-1499-2012-135
- [Π13] M. Perdikeas, **Th. Zahariadis**, P. Plaza, “The BeyWatch Conceptual Model for Demand-Side Management,” *Energy-Efficient Computing and Networking, Lecture Notes of the*

- [Π14] **Th. Zahariadis**, E. Quacchio, “Fast content-aware delivery in overlay networks,” IEEE COMSOC MMTC E-Letter, Vol.6, No.7, July 2011, pp. 44-47
- [Π15] **Th. Zahariadis**, K. Grüneberg, L. Celetto “Seamless Content Delivery over Mobile 3G+/4G Networks,” Springer Mobile Networks and Applications (MONET) journal, Vol. 16 Issue 3, June 2011, pp. 351-360
- [Π16] H.C.Leligou, Ch. Masouros, E. Tsampasis, **Th. Zahariadis**, D. Bargiotas, K. Papadopoulos, S. Voliotis, “Reprogramming wireless sensor nodes”, IJCTT-International Journal of Computer Trends and Technology, Vol.1 Issue 2, April 2011, pp.1-9.
- [Π17] H. C. Leligou, P. Trakadas, S. Maniatis, P. Karkazis and **T. Zahariadis**, “Combining trust with location information for routing in wireless sensor networks,” Wireless Communications and Mobile Computing, Wiley, Vol. 12. Issue 12. Dec 2010, DOI: 10.1002/wcm.1038.
- [Π18] M. Otero, **Th. Zahariadis**, F. Alvarez, H. C. Leligou, A. Población-Hernández, P. Karkazis, and F. Javier Casajús-Quirós, “Secure geographic routing in ad-hoc and wireless sensor networks,” EURASIP Journal on Wireless Communications and Networks, July 2010
- [Π19] **Th. Zahariadis**, H. Leligou, P. Karkazis, P. Trakadas, I. Papaefstathiou, Ch. Vangelatos, L. Besson, “Design and implementation of a Trust-Aware Routing Protocol For Large WSNs,” International Journal of Network Security & its Applications (IJNSA), Vol.2, No.3, July 2010, pp. 52-68
- [Π20] **Th. Zahariadis**, H. C. Leligou, P. Trakadas, S. Voliotis, “Trust Management in Wireless Sensor Networks,” Wiley, European Transactions on Telecommunications Journal, Vol. 21, Issue 4, January 2010, pp. 386-395 (DOI 10.1002/ett.1413).
- [Π21] **Th. Zahariadis**, H. C. Leligou, S. Voliotis, S. Maniatis, P. Trakadas, P. Karkazis, “Energy-aware Secure Routing for Large Wireless Sensor Networks, WSEAS Transactions on Communications, Issue 9, Volume 8, September 2009
- [Π22] L. Raptis, D. Kagklis, Y. Patikis, G. Hatzilias, N. Zervos, **T. Zahariadis**, D. Crhonis, K.Ioannou, A.Garmpis, “Building a Multimedia Next Generation Network”, WSEAS Transactions on Communications, Issue 2, Volume 5, February 2006
- [Π23] F. Karayiannis, J. Serrat, K. Vaxevanakis, **Th. Zahariadis**, L. Raptis, et.al, “In-field evaluation of a managed IP/MPLS over WDM provisioning solution,” IEEE Optical Communication Magazine, Vol. 43, Issue 11, Nov. 2005, pp:S26 - S33.
- [Π24] P. Babalis, P. Trakadas, **Th. Zahariadis**, C. Capsalis, “Improved performance of maximum likelihood decoding algorithm with efficient use of algebraic decoder,” Kluwer, Wireless Personal Communication, Vol. 32, No. 1, January 2005, pp. 1-7
- [Π25] **Th. Zahariadis**, S. Apostolacos, I. Grammatikakis, D. Mexis, N. Zervos, N. Vogiatzis “Block Floating Point FFT implementation for DMT xDSL systems,” World Science, Journal of Circuits, Systems, and Computers (JCSC), Vol. 13, No. 5, October 2004, pp 1147-1164
- [Π26] S. Karlich, **Th. Zahariadis**, N. Nikolaou, B. Jennings, V. Kollias, Th. Magedanz, “A self-adaptive service provisioning framework for 3G+/4G mobile applications,” IEEE Wireless Communications, Vol. 11, No. 5, October 2004, pp.48-56

- [Π27] **Th. Zahariadis**, S.Voliotis, N. Katevas, “Utilizing the H.264/AVC in distant undergraduate education”, WSEAS Transactions on Computers, Issue 3, Vol. 3, July 2004, pp.813-818
- [Π28] **Th. Zahariadis**, “Evolution of the Wireless PAN and LAN Standards,” Elsevier, Journal of Computer Standards & Interfaces, Vol. 26. No. 3., May 2004, pp. 175-185
- [Π29] **Th. Zahariadis**, S. Spanos, “The Clearest Voice,” IEE Communications Engineer, April/May 2004, pp.14-17
- [Π30] **Th. Zahariadis**, K. Pramataris, “Broadband Consumer Electronics Networking and Automation,” Wiley Publishers, International Journal of Communication Systems (IJCS), Vol. 17, Issue: 1, February 2004, pp. 27-53
- [Π31] **Th. Zahariadis**, S. Voliotis, “Adaptive Middleware Platform for Next Generation Mobile Networks,” WSEAS Transactions on Communications, Issue 1, Volume 3, January 2004, pp. 155-160
- [Π32] M. Ellinas, L. Raptis, N. Dragios, P.Trakadas, **Th. Zahariadis**, K. Vaxevanakis, S. Voliotis, C. Manasis, “An innovative Network Management Based Solution for managing Hybrid Networks for Large Scale Events,” WSEAS Transactions on Communications, Issue 1, Volume 3, January 2004, pp. 288-293
- [Π33] P. Trakadas, **Th. Zahariadis**, S. Voliotis, C. Manasis, “Efficient Routing in PAN and Sensor networks,” ACM/Sigmobile Mobile Computing and Communications Review (MC2R), Vol.8, No. 1, January 2004, pp.10-17
- [Π34] V. Lawrence, N. Zervos, **Th. Zahariadis**, A. Meliones, “Digital Gateways for Multimedia Home Networks,” Kluwer Academic Publishers, Telecommunication Systems Journal, Vol. 23, No. 3/4, August 2003, pp. 335-349
- [Π35] D. Wisely, H. Aghvami, S. Gwyn, **Th. Zahariadis**, J. Manner, V. Gazis, “Transparent IP Radio Access for Next Generation Mobile Networks,” IEEE Wireless Communications Magazine, Vol. 10, No. 4, August 2003, pp. 26-35
- [Π36] **Th. Zahariadis**, “Welcome to my bubble,” IEE Communications Engineer, June/July 2003, pp. 12-15
- [Π37] K. Vaxevanakis, **Th. Zahariadis**, N. Vogiatzis, “A Review on Wireless Home Network Technologies,” ACM/Sigmobile Mobile Computing and Communications Review (MC2R), Vol.7, No. 2, April 2003, pp. 59-67
- [Π38] **Th. Zahariadis**, “Trends in the Path to 4G,” IEE Communications Engineer, February 2003, pp.12-15
- [Π39] **Th. Zahariadis**, S. Voliotis, “New Trends in Distance Learning Utilizing Next Generation Multimedia Networks,” Kluwer Academic Publishers, Education and Information Technologies Journal, Vol. 8, Issue: 1, March 2003, pp. 67-81
- [Π40] **Th. Zahariadis**, K.Pramataris, “Multimedia Home Networks: Standards & Interfaces,” Elsevier Computer Standards & Interfaces Magazine, vol.24, no.5, October 2002, pp. 425–435
- [Π41] **Th. Zahariadis**, K. Pramataris, N. Zervos, “A comparison of competing broadband in-home technologies,” IEE Electronics & Communications Engineering Journal (ECEJ), Vol. 14, No. 4, August 2002, pp. 133 –142
- [Π42] **Th. Zahariadis**, N. Nikolaou, “Unified Wireless Access in Hot-Spot Environment,” IEEE Communications Letters Journal, Vol. 6, No. 6, June 2002, pp.259-261

- [Π43] **Th. Zahariadis**, K. Vaxevanakis, Ch. Tsantilas, N. Zervos, N. Nikolaou, “Global Roaming in Next-Generation Networks,” IEEE Communications Magazine, Vol. 40, No. 2, February 2002, pp.145-151.
- [Π44] C. Georgopoulos, V. Nellas, J. A. Sanchez P., **Th. Zahariadis**, Th. Arvanitis, D. Economou, G. Stassinopoulos, N. Zervos, “N3: Evolution of a Native NBMA Networking stack,” Baltzer Science Publishers, Interoperable Communication Networks (ICON) magazine, Vol. 1, July 1998, pp.263-271
- [Π45] **Th. Zahariadis**, C. Rosa, M. Pellegrinato, A. Lund, G. Stassinopoulos “Interactive Multimedia Services to Residential Users,” IEEE Communications Magazine, Vol. 35, No. 6, June 1997, pp. 61-68

Σύνταξη Ειδικής Ενότητας σε Περιοδικά (Guest Editorial)

- [Π46] **Th. Zahariadis**, G. Pau, G. Camarilo, "Future Media Internet," IEEE Communications Magazine, (Guest Editorial), March 2011, pp. 110-111
- [Π47] **Th. Zahariadis**, R. Foka, “Multimedia Streaming over Next Generation Telecommunication Networks”, (Guest Editorial), Kluwer Telecommunication Systems Journal, January 2005
- [Π48] **Th. Zahariadis**, B. Doshi, “Applications and Services for the B3G/4G era”, IEEE Wireless Communications Magazine, (Guest Editorial), Vol. 11, No. 5, October 2004, pp. 3-5
- [Π49] **Th. Zahariadis**, “Migration towards 4G wireless communications,” IEEE Wireless Communications Magazine, (Guest Editorial), Vol. 11, No. 2, June 2004, pp. 6-7
- [Π50] **Th. Zahariadis**, B. Doshi, “Wireless PAN & Sensor Networks”, ACM/SIGMOBILE, Mobile Computing and Communications Review (MC2R), (Guest Editorial), Vol. 8, No 1, January 2004, pp. 6-9
- [Π51] **Th. Zahariadis**, D. Kazakos, “(R)evolution towards 4G Mobile Communication Systems,” IEEE Wireless Communications Magazine, (Guest Editorial), Vol. 10, No.4, Aug. 2003, pp. 6-7
- [Π52] N. Nikolaou, **Th. Zahariadis**, J. Serrat, B. Doshi, “Network Management of Multi-service, Multimedia, IP-based Networks,” IEEE Network Magazine, (Guest Editorial), May/June 2003, pp.6-7
- [Π53] **Th. Zahariadis**, A. Salkitzis, “Wireless Home Networks”, ACM/SIGMOBILE Mobile Computing and Communications Review (MC2R), (Guest Editorial), Vol. 7, No 2, April 2003, pp. 3-5

Επανα-δημοσίευση Αρθρων

- [Π54] **Th. Zahariadis**, P. Daras, J. Bouwen, N. Niebert, D. Griffin, F. Alvarez, G. Camarillo, “Internet centrada em conteúdo,” Redes, Telecom E Instalacoes (RTI), May 2011, pp.71-80 (translation and reprint in Brazil)
- [Π55] A. Sentinelli, L. Celetto, D. Lefol, Cl. Palazzi, G. Pau, **Th. Zahariadis**, A. Jari, “Survey on P2P Overlay Streaming Clients,” Redes, Telecom E Instalacoes (RTI), September 2010, pp.34-47 (translation and reprint in Brazil)
- [Π56] **Th. Zahariadis**, N. Vogiatzis, I.Kitroser, A. Andritsou, “Acesso sem fio banda larga,” Redes, Telecom E Instalacoes (RTI), No 45, February 2004, pp. 54-59 (translation and reprint in Brazil)
- [Π57] **Th. Zahariadis**, K. Pramataris, N. Zervos, “A comparison of competing broadband in-home technologies,” IETE Technical Review, Vol. 19, No. 6, Nov.-Dec. 2002, pp. 367 –

376 (Reprint of the article in IEE Electronics & Communications Engineering Journal (ECEJ), Vol. 14, No. 4, August 2002, pp. 133 –142)

- [Π58] Θ. Ζαχαριάδης, «Μέθοδοι πρόσβασης σε Μητροπολιτικά Δίκτυα Υπηρεσιών Πολυμέσων με Αλληλεπίδραση», Τεχνικά Χρονικά ΙΙΙ, Επιστημονική Έκδοση ΤΕΕ, τεύχος 1& 2, 2001 σελ. 35-48

Λίστα Δημοσιεύσεων σε Διεθνή Συνέδρια (μετά από κρίση)

- [C1] Th. Zahariadis, P. Trakadas, D. Skias, H.C. Leligou, A.Gikaki, S.Voliotis, Spada Maria Rita, A. Gonos, E. Kanakis, “Smart Energy as a Service Network Architecture: Matching NRG-5 and 5G-PPP Architectural Group approaches”, European Conference on Networks and Communications (EUCNC' 2018), Ljubljana, Slovenia, June 18-21 2018
- [C2] N. Sanchez, J. M. Lalueza, A. Voulkidis, T. Zahariadis, D. Barthel, A. Frederic, “5G-Cognitive Drone System for Preventive Maintenance in Energy Infrastructures, European Conference on Networks and Communications (EuCNC), Ljubljana, Slovenia, June 18-21, 2018
- [C3] Panagiotis Trakadas, Panagiotis Karkazis, Helen-Catherine Leligou, Theodore Zahariadis, Wouter Tavernier, Thomas Soenen, Steven van Rossem, Luis Miguel Contreras Murillo, “Scalable Monitoring for Multiple Virtualized Infrastructures for 5G Services”, International Conference on Networks, ICN 2018, Athens, Greece, 22-26 April 2018
- [C4] Helen C. Leligou, Theodore Zahariadis, Lambros Sarakis, Eleftherios Tsampasis, Artemis Voulkidis, Terpsichori E.Velivassaki, “Smart Grid: a demanding use case for 5G technologies”, IEEE International Conference on Personal Communications (PerCom 2018), workshop on Pervasive Sensing for Sustainable Smart Cities and Smart Buildings, Athens, Greece, 19 March 2018.
- [C5] A. Karila, Y. Kortensniemi, D. Lagutin, P. Nikander, N. Fotiou, G. Polyzos, V. Siris and Th. Zahariadis, “Secure Open Federation for Internet Everywhere”, Workshop on Decentralized IoT Security and Standards (DISS 2018), San Diego, California, 18 February 2018
- [C6] Th. Zahariadis, L. Sarakis, E. Tsampasis, A. Voulkidis, P. Karkazis, P. Trakadas, “Preventive Maintenance of Critical Infrastructures using 5G Networks & drones” 14th IEEE International Conference on Advanced Video and Signal Based Surveillance (AVSS 2017), 29 August – 1 September 2017, Lecce, Italy
- [C7] G. Carrozzo, T. Zini, G. Insolubile, Th. Zahariadis, A. Voulkidis, “An Energy Consumption Optimization Platform For Green Data Centres”, CLIMA 2016, 12th REHVA World Congress, 23-25 May 2016, Aalborg, Denmark
- [C8] A. Aravanis, A. Voulkidis, J.Salom, V. Georgiadou, A. Oleksiak, M. Rey Porto, F. Roudet, Th. Zahariadis, “Metrics for Assessing Flexibility and Sustainability of Next Generation Data Centers.” IEEE Globecom, 6-10 Dec. 2015, San Diego, CA
- [C9] A. Papadakis, Th. Zahariadis, “Energy Monitoring and Management Mechanism for Wireless Sensor Networks,” 1st Mini Conference on Emerging Engineering Applications (MCEEA'15), Chalkida, Greece, November 26-27, 2015
- [C10] Th. Zahariadis, L. Sarakis, S. Voliotis, D. Bargiotas, P. Karkazis, “Evaluation of RPL-compliant routing solutions in real-life WSNs,” 1st Mini Conference on Emerging Engineering Applications (MCEEA'15), Chalkida, Greece, November 26-27, 2015

- [C11] A. Aravanis, T.-H. Velivassaki, A. Voulkidis, Th. Zahariadis, P. Cottis, "Federated data centers as smart city stabilizing factors", IEEE Symposium on Computers and Communication (ISCC 2015) 6-9 July 2015, Larnaka, Cyprus, pp. 31-37
- [C12] P. Trakadas, T. Zahariadis, H. Leligou, P. Karkazis, Terpsichori Helen Velivassaki and L. Sarakis, "Routing metric selection and design for multi-purpose WSNs", IEEE International Conference on Systems, Signals and Image Processing (IWSSIP 2014), Dubrovnik 12-15 May 2014 pp. 199-202
- [C13] Th. Zahariadis, A. Papadakis, F. Alvarez, J. Gonzalez, F. Lopez, F. Facca, Y. Al-Hazmi, "FIWARE Lab: Managing Resources and Services in a Cloud Federation supporting Future Internet Applications," accepted at 1st International Workshop on Cloud Automation, Intelligent Management and Scalability (CAIMS 2014) in parallel to IEEE/ACM 7th International Conference on Utility and Cloud Computing, London, UK, Dec 8-11, 2014
- [C14] A. Papadakis, Th. Zahariadis, C. Vrioni, "Monitoring and tailoring the usage of Network Resources for smoothing the provision of interactive 3D services" IEEE International Conference on Image Processing (ICIP), Paris, Oct. 27-30, 2014
- [C15] L. Sarakis, H. C. Leligou, P. Karkazis, T.-H. Velivassaki, T. Zahariadis, "Evaluation of a Transmission Count-Efficient Metric for Energy-Aware Routing in WSNs", in Proc. of the International Conference on Telecommunications & Multimedia (TEMU), Heraklion, Greece, July 2014
- [C16] P.Karkazis, I. Papaefstathiou, L. Sarakis, Th. Zahariadis, D. Bargiotas, "Evaluation of RPL with a Transmission Count-Efficient and Trust-Aware Routing Metric" IEEE ICC 2014 - Ad-hoc and Sensor Networking Symposium ('ICC'14 AHSN') Sydney, Australia, 10-14 June 2014
- [C17] A. Galis, S. Clayman, L. Mamatas, J. Rubio-Loyola, A. Manzalini, S. Kukliński, J. Serrat and T. Zahariadis, "Softwarization of Future Networks and Services – Next Generation SDNs," 2013 Software Defined Networks for Future Networks and Services (SDN4FNS), November 11-13 2013, Trento, Italy
- [C18] H. C. Leligou, P. Karkazis, A. Hatziefremidis, Th. Orphanoudakis, Th. Zahariadis, "Implementation of road safety and traffic management applications over mobile opportunistic systems", 17th WSEAS International Conference on Communications, July 16-19, 2013, Rhodes Island, Greece.
- [C19] Th. Zahariadis, L. Sarakis, P. Trakadas, H. C. Leligou, P. Karkazis, "Sensor Networks Virtualisation for efficient Smart Application Development", 17th WSEAS International Conference on Communications, July 16-19, 2013, Rhodes Island
- [C20] Th. Zahariadis, L. Sarakis, H. C. Leligou, A. Hatjiefremidis, S. Voliotis, K. Georgouleas "The implications of Service Virtualisation on the routing procedure in Wireless Sensor Networks", 9th IEEE International Symposium on Telecommunications (BIHTEL), Sarajevo, Bosnia and Herzegovina, October 25-27, 2012
- [C21] Th. Zahariadis, A. Papadakis, G. Mamais, "Enabling Network – based, Immersive Services," IEEE International Conference on Telecommunications & Multimedia (TEMU 2012), 30 July - 1 August 2012, Heraklion, Crete, Greece
- [C22] P. Karkazis, H. C. Leligou, T. Zahariadis, "Geographical Routing in Wireless Sensor Networks," IEEE International Conference on Telecommunications & Multimedia (TEMU 2012), 30 July - 1 August 2012, Heraklion, Crete, Greece
- [C23] P. Karkazis, Helen C. Leligou, Lambros Sarakis, Theodore Zahariadis, Terpsi Velivassaki, Christos Capsalis, "Design of primary and composite routing metrics for RPL-compliant

- Wireless Sensor Networks," IEEE International Conference on Telecommunications & Multimedia (TEMU 2012), 30 July - 1 August 2012, Heraklion, Crete, Greece
- [C24] A. Papadakis, Th. Zahariadis, G. Mamais, "Enhancing the Provision of Multimedia Services using Content Caching Schemes," 8th IEEE, IET Int. Symposium on Communication Systems, Networks and Digital Signal Processing (CSNDSP 2012), Poznan, Poland, July 18-20, 2012
- [C25] Th. Zahariadis, A. Papadakis and N. Nikolaou, "Simulation Framework for Adaptive Overlay Content Caching," IEEE 35th International Conference on Telecommunications and Signal Processing, Prague, Czech Republic, July 3-4, 2012
- [C26] H. C. Leligou, P. Karkazis, Th. Zahariadis, T. Velivasaki, Th. Tsiodras, C. Matrakidis, S. Voliotis, "The Impact of Indirect Trust Information Exchange on Network Performance and Energy Consumption in Wireless Sensor Networks", 54th International Symposium ELMAR 2011, 12-14 September 2011, Zadar, Croatia, pp.153-156.
- [C27] Th. Zahariadis, H. Leligou, P. Karkazis, P. Trakadas, "Energy efficiency and implementation cost of trust-aware routing solutions in WSNs", 14th Pan-Hellenic Conference on Informatics (PCI 2010), 10-12 Sept. 2010, Tripoli, Greece, pp.194-198
- [C28] H. C. Leligou, L. Redondo, Th. Zahariadis, D. Rodriguez, P. Karkazis, I. Papaefstathiou, "Reconfiguration in Wireless Sensor Networks", DeSE 2010 London UK, 6-8 September 2010, pp. 59-63
- [C29] Th. Zahariadis, P. Trakadas, H. Leligou, P. Karkazis, "Implementing a Trust-Aware Routing Protocol in Wireless Sensor Nodes", DeSE 2010, London UK, 6-8 Sept. 2010, pp. 47-52.
- [C30] S. Voliotis, Th. Zahariadis, H. C. Leligou, D. Bargiotas, P. Trakadas, P. Karkazis, "A Scalable Geographical Routing approach for Wireless Sensor Networks", 17th International Workshop on Systems, Signals and Image Processing (IWSSIP 2010), June 17-19, 2010, Rio de Janeiro, Brasil, pp.440-443
- [C31] H.C. Leligou, P. Trakadas, T. Zahariadis, P. Karkazis, S. Voliotis, "Indirect trust information exchange for supporting mobility in the Internet of Things", TEMU 2010, 16-18 June 2010, Greece, pp. 255-262
- [C32] M. Alduán, F. Álvarez, Th. Zahariadis, N. Nikolakis, F. Chatzipapadopoulos, D. Jiménez, J. Manuel Menéndez, "Architectures for Future Media Internet," 2nd International Conference on User Centric Media, Palma de Mallorca, September 1-3, 2010
- [C33] Th. Zahariadis, F. Junqueira, L. Celetto, E. Quacchio, S. Niccolini, P. Plaza, "Content aware searching, caching and streaming", 2nd International Conference on Telecommunications and Multimedia, Chania, Greece, 14-16 July 2010, pp. 263-270
- [C34] M. Alvargonzález, L. Arnaiz, L. García, F. Sanchez, Th. Zahariadis, F. Álvarez, "Personalization of Media Delivery in Seamless Content Delivery Networks", International ICST Conference on User Centric Media, Italy, December 2009
- [C35] S. Voliotis, H.C. Leligou, Th. Zahariadis, "Incorporating trust in location-based routing protocols", ELMAR2009, Zadar Croatia, September 2009, pp.131-134.
- [C36] T. Zahariadis, H. Leligou, S. Voliotis, S. Maniatis, P. Trakadas, P. Karkazis, "An Energy and Trust-aware Routing Protocol for Large Wireless Sensor Networks", 9th WSEAS International Conference on Applied Informatics and Communications (AIC '09) Moscow, August 20-22, 2009, ISBN: 978-960-474-107-6, pp.216-225
- [C37] T. Zahariadis, P. Trakadas, S. Maniatis, P. Karkazis, H. C. Leligou, S. Voliotis, "Efficient detection of routing attacks in Wireless Sensor Network", 16th International Workshop on

- Systems, Signals and Image Processing (IWSSIP 2009), June 18-20, 2009, Chalkida, Greece
- [C38] T.H.N. Velivasaki, T.V. Zahariadis, P.T. Trakadas, C.N. Capsalis, “Interference Analysis of Cognitive Radio Networks in a Digital Broadcasting Spectrum Environment”, 16th International Workshop on Systems, Signals and Image Processing (IWSSIP 2009), June 18-20, 2009, Chalkida, Greece
- [C39] Y. Stelios, N. Papayanoulas, P. Trakadas, S. Maniatis, H. C. Leligou, Th. Zahariadis, “A distributed energy-aware trust management system for secure routing in wireless sensor networks”, 1st Int. Conference on Mobile Lightweight Wireless Systems, MOBILIGHT 2009, May 18-20, 2009, Athens Greece, pp.85-92
- [C40] P. Trakadas, S. Maniatis, P. Karkazis, T. Zahariadis, H.C. Leligou, S. Voliotis, “A novel flexible trust management system for heterogeneous wireless sensor networks”, 9th Int. Symposium on Autonomous Decentralized Systems (ISADS 2009), Athens, Greece, March 23-25, 2009, pp. 369-374
- [C41] L. García, L. Arnaiz, F. Álvarez, Th. Zahariadis, “SVC/MVC Content Protection over P2P Delivery Networks,” International Conference on Consumer electronics (ICCE 2009) 12-14 January 2009.
- [C42] Th. Zahariadis, P. Daras, I. Laso-Ballesteros, “Towards Future 3D Media Internet,” 2008 NEM Summit, Saint-Malo, October 13-15, 2008
- [C43] P. Trakadas, T. Zahariadis, H.C. Leligou, S. Voliotis, K. Papadopoulos, “AWISSENET: Setting up a Secure Wireless Sensor Network,” 50th International Symposium ELMAR-2008, focused on Mobile Multimedia, Zadar, Croatia, 10-13 September 2008
- [C44] Th. Zahariadis, E. Ladis, H.C. Leligou, P. Trakadas, C. Tselikis, S. Voliotis, “Trust Models for Sensor Networks,” 50th International Symposium ELMAR-2008, Zadar, Croatia, 10-13 September 2008
- [C45] K. Papadopoulos, S. Voliotis, A. Ktena, P. Trakadas, Th. Zahariadis, “Security Aspects in Wireless Sensor Networks,” International Conference on Telecommunications and Multimedia (TEMU 2008), Ierapetra, Crete, Greece, July 16-18,2008
- [C46] Th. Zahariadis, O. Negru, F. Rovati, F. Álvarez, “Seamless Content Delivery over the Future Internet,” International Conference on Telecommunications and Multimedia (TEMU 2008), Ierapetra, Crete, Greece, July 16-18,2008
- [C47] P. Trakadas, Th. Zahariadis, H.C. Leligou, S. Voliotis, “Analyzing Energy and Time Overhead of Security Mechanisms in Wireless Sensor Networks,” 15th International Conference on Systems, Signals and Image Processing (IWSSIP 2008), Bratislava, Slovak Republic, June 25-28, 2008
- [C48] K. Papadopoulos, Th. Zahariadis, N. Leligou, S. Voliotis, “Sensor networks security issues in augmented home environment,” 12th IEEE International Symposium on Consumer Electronics (ISCE 2008), Vilamoura, Portugal, ISBN: 978-1-4244-2422-1, April 14-16, 2008
- [C49] Th. Zahariadis, O. Negru, F. Alvarez, “Scalable content delivery over P2P convergent networks,” IEEE International Symposium on Consumer Electronics 2008, (ISCE 2008) Vilamoura, Portugal, ISBN: 978-1-4244-2422-1, April 14-16, 2008
- [C50] N. Katevas, A.Pantelouka, K. Petrakou, S. Voliotis, Th. Zahariadis, “Test Environment for VSN routing algorithms using Mobile Robot,” 49th International Symposium ELMAR-2007, focused on Mobile Multimedia, Zadar, Croatia, 12-14 September 2007, pp. 219-222

- [C51] Th. Zahariadis, S. Voliotis, “Open issues in Wireless Visual Sensor Networking” 14th International Conference on Systems, Signals and Image Processing, IWSSIP 2007, Maribor, Slovenia, 27-30 June 2007, pp. 335 - 338
- [C52] Th. Zahariadis, S. Voliotis, D. Bargiotas and Ch. Manasis, “QoS-aware Handoff schemes for all-IP Mobile/Ad-hoc Networks” 13th International Conference on Systems, Signals and Image Processing, IWSSIP 2006, Budapest, Hungary, 21-23 September 2006
- [C53] Th. Zahariadis, K. Petrakou, S. Voliotis, “Enabling QoS in Visual Sensor Networks,” 48th International Symposium ELMAR 2006, Zadar, Croatia, 7-10 June 2006, pp. 327-330
- [C54] Th. Zahariadis, S. Voliotis, Ch. Manasis, D. Bargiotas, “Resource & Service Discovery in Ad-hoc Visual Sensor Networks,” 1st Workshop on multiMedia Applications over Wireless Networks (MediaWin 2006), Athens, Greece, 2 April, 2006, pp.72-77
- [C55] Th. Zahariadis, S. Voliotis, Ch. Manasis, D. Bargiotas, “An efficient QoS scheme for all-IP Mobile Ad-hoc Networks,” 12th Int. Workshop on Systems, Signals & Image Processing (IWSSIP’05), Chalkida, Greece, 22-24 September 2005, pp.249-253
- [C56] Th. Zahariadis, S. Voliotis, Ch. Manasis, N. Zervos, “Re-configurable Video Transcoding Platform,” 47th International Symposium Electronics in Marine, 2005 (ELMAR 2005), 08-10 June 2005, Zadar, Croatia, pp.113-116
- [C57] N. Katevas, S. Voliotis, Th. Zahariadis, K. Hrissagis, “Range histogram: an environment representation method for in-door navigation of mobile robots,” Electronics in Marine, 2004 (ELMAR 2004) 46th International Symposium , 16-18 June 2004, pp:353 – 358
- [C58] Th. Zahariadis, S. Voliotis, “Path Location Register for Next-Generation Heterogeneous Mobile Networks,” 3rd Wireless Information Systems (WIS 2004), Porto, Portugal April 13-14, 2004, pp.142-150
- [C59] Th. Zahariadis, G. Pagomenos, N. Zervos, “Digital signal processing on a fully re-configurable platform,” 10th Wireless World Research Forum (WWRF), New York, USA, 27-28 Oct. 2003
- [C60] Th. Zahariadis, K. Pramataris, S. Voliotis and N. Zervos, “Digital signal processing on a fully programmable platform,” 5th EURASIP/IEEE on Video/Image Processing and Multimedia Communications (EC-VIP-MC 2003), pp.257-263, 2-5 July 2003, Zagreb, Croatia
- [C61] Th. Zahariadis, S. Voliotis, “A Multimedia Tele-teaching Application,” 9th International Workshop on Systems, Signal and Image Processing (IWSSIP’02), pp. 55-58, Manchester, 7-8 November 2002
- [C62] J Sanchez, N. Vogiatzis, Th. Zahariadis, N. Zervos, “Residential Gateway: The Revenue Multiplier in the end-to-end Network Architecture,” World Telecommunications Congress 2002, 24-26 Sept. 2002, Paris, France
- [C63] Th. Zahariadis, N. Vogiatzis, I. Kitros, A. Andritsou, “Adaptive Transport Protocol for Broadband Fixed-Wireless Systems”, 4th EURASIP - IEEE Region 8, International Symposium on Video Processing and Multimedia Communications (VIPromCom-2002), pp.397-400, 16-19 June 2002, Zadar, Croatia
- [C64] Th. Zahariadis, S. Voliotis, “Networking Multimedia Classroom Initiative,” 4th EURASIP - IEEE Region 8, International Symposium on Video Processing and Multimedia Communications (VIPromCom-2002), pp.36-38, 16-19 June 2002, Zadar, Croatia
- [C65] Dravopoulos, A. Andritsou, Th. Zahariadis, M. Koltsidas, N. Vogiatzis, “Adaptive Traffic Handling over Fixed Broadband Wireless Access Systems”, to be presented in the IST

- Mobile Communications Summit 2001 (MobileSummit 2001), pp. 645-650, Barcelona, Spain, September 9-12, 2001.
- [C66] L. Raptis, J. Serrat, K. Vaxevanakis, Th. Zahariadis, et al “Integrated Management of IP over Optical Transport Networks”, IEEE International Conference on Telecommunications (ICT 2001), Bucharest, Romania, pp. 172-177, June, 2001.
- [C67] N. Vogiatzis, J. Sanchez, N. Zervos, Th. Zahariadis, ”An Adaptive Multicarrier Wireless Access System,” 2nd IEEE Wireless Communications and Networking Conference (WCNC 2000), Chicago, vol. 1, pp. 298-303, September 2000.
- [C68] K. Vaxevanakis, S. Maniatis, Th. Zahariadis, N. Nikolaou, I. Venieris, N. Zervos, “Software Toolkit for providing Uninterrupted Connectivity over a variety of Wireless Physical Interfaces,” International Conference on Software in Telecommunications and Computer Networks (SoftCom’99), pp. 463-471, Trieste, Venice, Italy, October 1999
- [C69] N. Nikolaou, O. Pyrovolakis, A. Dede, Th. Zahariadis, G. Stassinopoulos, “A layered Architecture for Network Management Applications,” Network and Optical Communications (NOC’98), pp.94-101, Manchester, UK, June 1998
- [C70] C. Georgopoulos, Th. Zahariadis, Th. Arvanitis, D. Economou, V. Nellas, G. Stassinopoulos, J. A. Sanchez P., N. Zervos, “N3: A Native NBMA Networking stack,” Network and Optical Communications (NOC’98), pp. 94-Manchester, UK, June,1998
- [C71] Th. Zahariadis, A. Dede, N. Nikolaou, O. Pyrovolakis, N. Skiadas, I. Iliopoulos, G. Stassinopoulos, “Implementation of a TMN ISDN Mediation Device: Practice and Experience,” 6th IEEE International Conference on Telecommunications 1998, (IEEE ICT’98), Chalkidiki, Greece, pp. 142-146, June 1998
- [C72] Th. Zahariadis, Jorge-A. Sanchez-P., Chr. Georgopoulos, V. Nellas, Th. Arvanitis, D. Economou, G. Stassinopoulos, N. Zervos, “Native ATM Protocol Stack for Internet Applications in Residential Broadband Networks,”3rd European Conference on Multimedia Applications, Services and Techniques (ECMAST’98), pp. 300-311, Berlin, Germany, May 1998
- [C73] Dede, Th. Zahariadis, G. Stassinopoulos, “Evolution of WWW to support integrated services,” International Federation for Information Processing (IFIP): Systems Implementation 2000: Languages, Methods and Tools (SI2000), pp. 319-332, Berlin, Germany, February 1998
- [C74] Th. Zahariadis, Chr. Georgopoulos, V. Nellas, G. Stassinopoulos, “Adaptation of Internet Access on a Broadband DAVIC Architecture,” 3rd IEEE Symposium on Computers and Communications (ISCC’97), pp. 507-511, Alexandria, Egypt, July 1997
- [C75] A. Dede, Th. Zahariadis, M. Anagnostou, “Residential Interactive Multimedia Services. A Distributed approach,” 3rd IEEE Symposium on Computers and Communications (ISCC’97), pp. 402-406, Alexandria, Egypt, July 1997
- [C76] C.D. Anagnostakis, Th. B. Zahariadis, I.S. Venieris, “Guidelines for the evolution of the core network capabilities for the support of advanced multimedia services,” Network and Optical Communications 97 (NOC’97), Vol. II, pp. 266-273, Antwerp, Belgium, June 1997
- [C77] M. Chadzopoulos, Th. Mavrogeorgis, G.Hatoglou, Th. Zahariadis, M. Mega-loikonomou, G. Stassinopoulos, “Advanced Transport Telematics System for Ports,” 8th International Federation of Automatic Control (IFAC), Symposium on Transportation Systems, pp. 1242-1248, Chania, Greece, June 1997.

- [C78] Ch. Georgopoulos, J.-A. Sanchez-P., Th. Zahariadis, N. Zervos, "Native ATM Protocol Architectures for Internet Applications," 6th International Conference on Advances in Communications and Control (COMCON6), Corfu, Greece, June 1997.
- [C79] Th. Zahariadis, A. Dede, I. Maffett, G. Stassinopoulos, "TELELEARNING. New trends in education through global multimedia networks," 2nd European Conference on Multimedia Applications, Services and Techniques (ECMAST'97), pp. 681-690, Milan, Italy, 21-23 May 1997
- [C80] Th. Zahariadis, D. Kalivas "Fast Algorithms for the estimation of block motion vectors," 3rd IEEE International Conference on Electronics, Circuits, and Systems (ICECS'96), vol.2, pp. 716 –719, Rodos, October 1996
- [C81] Th. Zahariadis, C. Pragmataris, G.Stassinopoulos "Internet Access over residential ATM networks," International Conference on Optics, Electro-Optics and Optoelectronics, Broadband Strategies and Technologies for Wide Area and Local Access Networks, International Society for Optical Engineering (SPIE), pp. 98-106, Berlin, FRG, October 1996
- [C82] Th. Zahariadis, D. Kalivas "A Spiral Search Algorithm for fast estimation of block motion vectors," VIII European Signal Processing Conference (EUSIPCO-96), Vol. II, pp. 1079-1082, Trieste, Italy, September 1996
- [C83] G.Gallassi, Th. Zahariadis, G.Stassinopoulos "Advanced Multimedia Services for Residential Users," Networking and Information Services in the CEE Countries, pp. 49-62, Blagoevgrad, Bulgaria, July 1996
- [C84] M.Chadzopoulos, Chr.Veinoglou, G.Deligiannis, A.Kotsis, N.Skayannis, G.Hatoglou, Th.Zahariadis, M.Megaloiconomou, G.Stassinopoulos, "SCOPE/ PORTS in Piraeus: Advanced Transport Telematics Pilot System for Ports," 1st International Conference on Computer Applications in Transportation Systems, pp. 331-340, Basel, Switzerland, June 1996.
- [C85] V. Nellas, Th. Zahariadis, Chr.Georgopoulos, G. Stassinopoulos, "Internet provision over ATM infrastructure to Residential Users. A DAVIC compliant approach," Network and Optical Communications 96 (NOC'96), Vol II, pp. 199-205, Heidelberg, Germany, June 1996.
- [C86] Th. Zahariadis, I. Venieris "Control Protocols for Residential User Access to Interactive Multimedia Services," Network and Optical Communications 96 (NOC'96), Vol II, pp. 22-29, Heidelberg, Germany, June 1996