

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

- 2/2015-σήμερα:** *Διευθυντής 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-σήμερα:** *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-Σήμερα:** *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.*
- 9/2007–9/2012:** *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, Synelixis, Δήμος Πειραιά, Δήμος Χαλκιδέων, ΔΕΗ, Ινστιτούτο Βιοϊατρικής Τεχνολογίας (ΙΝΒΙΤ).

6. ΚΥΡΙΑ ΕΡΓΑ

- *Επιστημονικός Υπεύθυνος* του υποέργου 8: «Δρομολόγηση και διαχείριση εμπιστοσύνης σε μεγάλα δίκτυα αισθητήρων» στα πλαίσια του έργου Αρχιμήδης ΙΙΙ- Ενίσχυση των ερευνητικών ομάδων στο ΤΕΙ ΧΑΛΚΙΔΑΣ, 01/07/2012 – 30/06/2015
- *Επιστημονικός Υπεύθυνος* του Ερευνητικού Έργου «Εξυπνο 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 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) 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-σήμερα)

- *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- σήμερα)
- *Media Delivery Platforms (MDP) Cluster*. Συντονιστής του cluster. Το cluster αποτελείται από 12 Ευρωπαϊκά Ερευνητικά Έργα.

ΑΛΛΕΣ ΕΠΙΣΤΗΜΟΝΙΚΕΣ ΔΡΑΣΤΗΡΙΟΤΗΤΕΣ/ΔΙΑΚΡΙΣΕΙΣ

- Διευθυντής του Μεταπτυχιακού Προγράμματος Σπουδών «Ευφυής Διαχείριση Ανανεώσιμων Ενεργειακών Συστημάτων» (ΔΕΣΜΕΣ) του Τμήματος Ηλεκτρολόγων Μηχανικών Τ.Ε. στο ΤΕΙ Στερεάς Ελλάδας (2014 – σήμερα).
- 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)
- Ζητής 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)

8. ΕΠΙΣΤΗΜΟΝΙΚΑ ΣΥΝΕΔΡΙΑ

- Τεχνικός Συντάκτης και κριτής του διεθνούς περιοδικού IEEE Wireless Communications (2003-2012)
- 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 1600 εταιροαναφορές στο επιστημονικό έργο

9. Based on Google Scholar (h-Index=22, i10-index=47, Citations 1643)

Λιεθνείς 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] 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
- [Π2] 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
- [Π3] P. Karkazis, P. Trakadas, Th. Zahariadis, I. Chatzigiannakis, 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
- [Π4] 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 (IJWNBT)*, Vol. 3 Issue 1, January 2014, pp. 1-17
- [Π5] 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)
- [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, 2014.
- [Π7] 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 (2013), Page 1269-1284, DOI 10.1007/s11276-012-0532-2
- [Π8] Helen C. Leligou, Periklis Chatzimisios, Lambros Sarakis, Theofanis Orphanoudakis, Panagiotis Karkazis, Theodore Zahariadis, “An 802.11p compliant system prototype supporting road safety and traffic management applications”, *International Journal of Wireless Networks and Broadband Technologies*, 2013.
- [Π9] H.C. Leligou, P. Trakadas, S. Maniatis, P. Karkazis, T. Zahariadis, “Combining trust with location information for routing in wireless sensor networks”, *Wireless communications and Mobile computing*, Wiley, Vol. 12, 2012, pp. 1091–1103, DOI: 10.1002/wcm.1038.
- [Π10] 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.
- [Π11] 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*, Oct. 2012, DOI: 10.1002/ett.2592
- [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, 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] 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 Communication Magazine, Vol. 43, Issue 11, Nov. 2005, pp:S26 - S33.
- [Π23] 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
- [Π24] 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
- [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] 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
- [Π27] 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

- [Π28] 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
- [Π29] 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
- [Π30] 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
- [Π31] 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
- [Π32] 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
- [Π33] 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
- [Π34] Th. Zahariadis, “Welcome to my bubble,” IEE Communications Engineer, June/July 2003, pp. 12-15
- [Π35] Th. Zahariadis, S. Spanos, “The Clearest Voice,” IEE Communications Engineer, April/May 2004, pp.14-17
- [Π36] 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
- [Π37] 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
- [Π38] Th. Zahariadis, K. Pramataris, “Multimedia Home Networks: Standards & Interfaces,” Elsevier Computer Standards & Interfaces Magazine, vol.24, no.5, October 2002, pp. 425–435
- [Π39] 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
- [Π40] Th. Zahariadis, N. Nikolaou, “Unified Wireless Access in Hot-Spot Environment,” IEEE Communications Letters Journal, Vol. 6, No. 6, June 2002, pp.259-261
- [Π41] 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.
- [Π42] 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

- [Π43] 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
- [Π44] Th. Zahariadis, G. Pau, G. Camarilo, "Future Media Internet," IEEE Communications Magazine, March 2011, pp. 110-111
- [Π45] Th. Zahariadis, “Trends in the Path to 4G,” IEE Communications Engineer, February 2003, pp.12-15
- [Π46] Th. Zahariadis, R. Foka, “Multimedia Streaming over Next Generation Telecommunication Networks”, Kluwer Telecommunication Systems Journal, January 2005
- [Π47] Th. Zahariadis, B. Doshi, “Applications and Services for the B3G/4G era”, IEEE Wireless Communications Magazine, Vol. 11, No. 5, October 2004, pp. 3-5
- [Π48] Th. Zahariadis, “Migration towards 4G wireless communications,” IEEE Wireless Communications Magazine, Vol. 11, No. 2, June 2004, pp. 6-7
- [Π49] Th. Zahariadis, B. Doshi, “Wireless PAN & Sensor Networks”, ACM/SIGMOBILE, Mobile Computing and Communications Review (MC2R), Vol. 8, No 1, January 2004, pp. 6-9
- [Π50] Th. Zahariadis, D. Kazakos, “(R)evolution towards 4G Mobile Communication Systems,” IEEE Wireless Communications Magazine, Vol. 10, No.4, Aug. 2003, pp. 6-7
- [Π51] N. Nikolaou, Th. Zahariadis, J. Serrat, B. Doshi, “Network Management of Multi-service, Multimedia, IP-based Networks,” IEEE Network Magazine, May/June 2003, pp.6-7
- [Π52] Th. Zahariadis, A. Salkitzis, “Wireless Home Networks”, ACM/SIGMOBILE Mobile Computing and Communications Review (MC2R), Vol. 7, No 2, April 2003, pp. 3-5
- [Π53] 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)
- [Π54] 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)
- [Π55] Th. Zahariadis, N. Vogiatzis, I.Kitroser, A. Andritsou, “Accesso sem fio banda larga,” Redes, Telecom E Instalacoes (RTI), No 45, February 2004, pp. 54-59 (translation and reprint in Brazil)
- [Π56] 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)
- [Π57] 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] 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
- [C2] 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
- [C3] 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
- [C4] A. Aravanis, T.-H. Velivassaki, A. Voulkidis, Th. Zahariadis, Panayotis G 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
- [C5] 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
- [C6] 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
- [C7] 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
- [C8] 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
- [C9] 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
- [C10] A. Galis, S. Clayman, L. Mamas, 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
- [C11] 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.
- [C12] 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

- [C13] 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
- [C14] 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
- [C15] 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
- [C16] 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
- [C17] 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
- [C18] 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.
- [C19] 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
- [C20] 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
- [C21] 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.
- [C22] 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
- [C23] 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
- [C24] 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
- [C25] 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
- [C26] S. Voliotis, H.C. Leligou, Th. Zahariadis, "Incorporating trust in location-based routing protocols", ELMAR2009, Zadar Croatia, September 2009, pp.131-134.

- [C27] 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
- [C28] 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
- [C29] 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
- [C30] 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
- [C31] 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
- [C32] 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.
- [C33] Th. Zahariadis, P. Daras, I. Laso-Ballesteros, “Towards Future 3D Media Internet,” 2008 NEM Summit, Saint-Malo, October 13-15, 2008
- [C34] 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
- [C35] 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
- [C36] 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
- [C37] 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
- [C38] 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
- [C39] 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

- [C40] 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
- [C41] 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
- [C42] 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
- [C43] 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
- [C44] K. Petrakou, S. Voliotis, D. Bargiotas, Th. Zahariadis, "Streaming in Visual Sensor Networks," ICT 2006, Madeira Island, Portugal, 9-12 May 2006
- [C45] 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
- [C46] 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
- [C47] 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
- [C48] 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
- [C49] 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
- [C50] 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
- [C51] 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
- [C52] 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
- [C53] 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
- [C54] Th. Zahariadis, N. Vogiatzis, I. Kitroser, 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
- [C55] 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
- [C56] 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.
- [C57] L. Raptis, J. Serrat, K. Vaxevanakis, Th. Zahariadis, et all "Integrated Management of IP over Optical Transport Networks", IEEE International Conference on Telecommunications (ICT 2001), Bucharest, Romania, pp. 172-177, June, 2001.
- [C58] N. Vogiatzis, J. Sanchez, Th. Zahariadis, M. Koltsidas, N. Zervos, "A Wireless DLC for Adaptive Multicarrier Fixed-Wireless Systems," IEEE Broadband Wireless Summit, Networkd + Interop 2001, Las Vegas, USA, 9-10 May 2001.
- [C59] 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.
- [C60] 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
- [C61] 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
- [C62] 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
- [C63] 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
- [C64] 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
- [C65] 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
- [C66] 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

- [C67] 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
- [C68] 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
- [C69] 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.
- [C70] 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.
- [C71] 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
- [C72] 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
- [C73] 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
- [C74] 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
- [C75] 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
- [C76] M.Chadzopoulos, Chr.Veinoglou, G.Deligiannis, A.Kotsis, N.Skayannis, G.Hatoglou, Th.Zahariadis, M.Megaloikonomou, 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.
- [C77] 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.
- [C78] 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