ΠΑΝΕΠΙΣΤΗΜΙΟ
ΘΕΣΣΑΛΙΑΣ

ΒΙΟΓΡΑΦΙΚΟ ΣΗΜΕΙΩΜΑ

Θεόδωρος Αθ. Τσιφτσής

Αναπληρωτής Καθηγητής
Τμήμα Πληροφορικής & Τηλεπικοινωνιών
Πανεπιστήμιο Θεσσαλίας

1. ΓΕΝΙΚΑ ΣΤΟΙΧΕΙΑ

1.1 Προσωπικά Στοιχεία

Ονοματεπώνυμο	Θεόδωρος Αθανασίου Τσιφτσής
Ημερομηνία Γέννησης	9 Νοεμβρίου 1970
Τόπος Γέννησης	Λαμία Φθιώτιδας
Οικογενειακή Κατάσταση	Έγγαμος
Διεύθυνση Εργασίας	Τμήμα Πληροφορικής & Τηλεπικοινωνιών, Πανεπιστήμιο Θεσσαλίας
Θέση	Αναπληρωτής Καθηγητής
Τηλέφωνα	22310-60302
Ηλεκτρονικό Ταχυδρομείο	tsiftsis@uth.gr ή theodoros.tsiftsis@gmail.com

1.2 Σπουδές – Ακαδημαϊκοί Τίτλοι

- Διδακτορικό Δίπλωμα του Τμήματος Ηλεκτρολόγων Μηχανικών και Τεχνολογίας Υπολογιστών του Πανεπιστημίου Πατρών, 2002-2006.
- Μεταπτυχιακό Δίπλωμα (M.Sc.) στις Επιστήμες των Αποφάσεων (Decision Sciences), Διατμηματικό Μεταπτυχιακό Πρόγραμμα Σπουδών των Τμημάτων Επιχειρησιακής Έρευνας & Μάρκετινγκ, Πληροφορικής και Στατιστικής του Οικονομικού Πανεπιστημίου Αθηνών, 1999-2000.
- M.Sc. in Digital Systems Engineering, Heriot-Watt University, Edinburgh, Scotland, U.K., αναγνωρισμένο από το ΔΙ.Κ.Α.Τ.Σ.Α., 1994-1995.
- Πτυχίο Φυσικής από το Τμήμα Φυσικής του Αριστοτελείου Πανεπιστημίου Θεσσαλονίκης-Α.Π.Θ., 1989-1993.

1.3 Επαγγελματική Απασχόληση

- Αναπληρωτής Καθηγητής του Τμήματος Πληροφορικής & Τηλεπικοινωνιών του Πανεπιστημίου Θεσσαλίας με γνωστικό αντικείμενο «ΤΗΛΕΠΙΚΟΙΝΩΝΙΕΣ», Αυγ. 2020-Σήμερα.
- Αναπληρωτής Καθηγητής του Γενικού Τμήματος του Πανεπιστημίου Θεσσαλίας με γνωστικό αντικείμενο «ΤΗΛΕΠΙΚΟΙΝΩΝΙΕΣ», Μαρ. 2019-Σήμερα (άδεια χωρίς αποδοχές).
- Καθηγητής, School of Intelligent Systems Science and Engineering, Jinan University, China, Μαρ. 2018- Ιουλ 2020.
- Αναπληρωτής Καθηγητής, Department of Electrical \& Computer Engineering, Nazarbayev University, Καζακστάν, 08/2015- 03/2018.

- Επισκέπτης Καθηγητής, ΜΠΣ Ασύρματα Τηλεπικοινωνιακά Συστήματα, Ανοικτό Πανεπιστήμιο Κύπρου, 09/2015 - 01/2017.
- Αναπληρωτής Καθηγητής του του ΤΕΙ Στερεάς Ελλάδας με γνωστικό αντικείμενο «ΤΗΛΕΠΙΚΟΙΝΩΝΙΕΣ», Ιούλ. 2015-Φεβ. 2019 (άδεια χωρίς αποδοχές).
- Επίκουρος Καθηγητής του Τμήματος Ηλεκτρολογίας του ΤΕΙ Λαμίας με γνωστικό αντικείμενο «ΤΗΛΕΠΙΚΟΙΝΩΝΙΕΣ», Φεβρουάριος 2010 έως Ιούνιο 2015.
- Επιστημονικός Συνεργάτης στη βαθμίδα του Επίκουρου Καθηγητή του Τμήματος Ηλεκτρολογίας του ΤΕΙ Λαμίας, 2008 – 2009.
- Συμβασιούχος Π.Δ. 407/80 στη βαθμίδα του Επίκουρου Καθηγητή του Τμήματος Πληροφορικής με Εφαρμογές στη Βιοϊατρική του Πανεπιστημίου Στερεάς Ελλάδας, 2006-2009.
- Επιστημονικός Συνεργάτης του Τμήματος Ηλεκτρολόγων Μηχανικών και Μηχανικών Ηλεκτρονικών Υπολογιστών του Α.Π.Θ., 2006-2010.
- Εργαστηριακός Συνεργάτης στη βαθμίδα του Καθηγητή Εφαρμογών του Τμήματος Πληροφορικής & Τεχνολογίας Υπολογιστών του ΤΕΙ Λαμίας, 2005 – 2006.
- Εργαστηριακός Συνεργάτης στη βαθμίδα του Καθηγητή Εφαρμογών του Τμήματος Ηλεκτρονικής του ΤΕΙ Λαμίας, 2002 – 2005.
- Δικαστικός Υπάλληλος του Διοικητικού Πρωτοδικείου Λαμίας με ειδικότητα ΠΕ Γραμματέων, 2002-2010.
- Μηχανικός Τηλεπικοινωνιών, Τμήμα Επιχειρησιακών Επικοινωνιών (Business Communications), Φίλιπς Ελλάς Α.Ε.Β.Ε., θυγατρική της Ολλανδικής Royal Philips Electronics N.V., 1997 – 2002.

1.4 Επαγγελματικές-Επιστημονικές Οργανώσεις

- Institute of Electrical and Electronics Engineers (IEEE), Senior Member
- IEEE Communications Society, Member
- IEEE Information Theory Society, Member
- IEEE Signal Processing Society, Member
- Institution of Engineering and Technology (IET), Member (2010-2012)

2. ΔΙΔΑΚΤΙΚΟ ΕΡΓΟ

2.1 ΠΑΝΕΠΙΣΤΗΜΙΑ ΕΞΩΤΕΡΙΚΟΥ

- 2018-2020, Jinan University, China, 08062081 Principles of Mobile Communications (Theory & Lab), 3rd year UG Course.

- 2015-2017, Nazarbayev University, Kazakhstan, PhD (EICT), MSc (MEE & EMEM) and BSc (EEE) Courses, EICT 702-Advanced Communications, EICT 752-Mobile Communications, EMEM528- Information Systems Management, MEE615- Advanced Mobile Communications, MEE607-Advanced Signal Processing, MEE620-Communications, MEE615-Wireless Communications, MEE620-RF and Microwave Communications Systems, EEE435-Advanced Digital Communications, EEE435 Digital Communications.

- 2015-2017, Open University of Cyprus, Cyprus, MSc Course, SAE511-Digital Communications.

2.2 ΑΕΙ/ΤΕΙ ΕΣΩΤΕΡΙΚΟΥ

2.2.1 Αναπληρωτής Καθηγητής του Τμήματος Πληροφορικής & Τηλεπικοινωνιών

Χειμερινό εξάμηνο 2020-2021

- Στοχαστικά Συστήματα και Επικοινωνίες (Θ)
- Εισαγωγή στις Τηλεπικοινωνίες (Θ) - Πρόγραμμα Σπουδών Μηχανικών Πληροφορικής Τ.Ε.
- Εισαγωγή στις Τηλεπικοινωνίες (Ε) - Πρόγραμμα Σπουδών Μηχανικών Πληροφορικής Τ.Ε.
- Θεωρία Πληροφορίας & Κώδικες (Θ) - Πρόγραμμα Σπουδών Μηχανικών Πληροφορικής Τ.Ε.

2.2.2 Επίκουρος Καθηγητής του Τμήματος Ηλεκτρολογίας του Τ.Ε.Ι. Στερεάς Ελλάδας

Εαρινό εξάμηνο 2014-2015

- Ηλεκτρονικά Ι (Θ)
- Ηλεκτρονικά Ι (Ε)
- Ψηφιακά Συστήματα (Ε)
- Τεχνολογία και Περιβάλλον (Θ)
- Τεχνολογία Υλικών και Ηλεκτροχημεία (Θ)

Χειμερινό εξάμηνο 2014-2015

- Εισαγωγή στις Τηλεπικοινωνίες (Θ)
- Εισαγωγή στις Τηλεπικοινωνίες (Ε)
- Ηλεκτρονικά ΙΙ (Θ)
- Ηλεκτρονικά ΙΙ (Ε)
- Εφαρμοσμένα Μαθηματικά (Θ)
- Εφαρμοσμένα Μαθηματικά (Ε)

Εαρινό εξάμηνο 2013-2014

- Ηλεκτρονικά Ι (Θ)
- Ηλεκτρονικά Ι (Ε)

- Ψηφιακά Συστήματα (Ε)

Χειμερινό εξάμηνο 2013-2014

- Εισαγωγή στις Τηλεπικοινωνίες (Θ)
- Εισαγωγή στις Τηλεπικοινωνίες (Ε)
- Ηλεκτρονικά ΙΙ (Θ)
- Ηλεκτρονικά ΙΙ (Ε)

2.2.3 Επίκουρος Καθηγητής του Τμήματος Ηλεκτρολογίας του Τ.Ε.Ι. Λαμίας

Εαρινό εξάμηνο 2012-2013

- Ηλεκτρονικά Ι (Θ)
- Ηλεκτρονικά Ι (Ε)

Χειμερινό εξάμηνο 2012-2013

- Εισαγωγή στις Τηλεπικοινωνίες (Θ)
- Εισαγωγή στις Τηλεπικοινωνίες (Ε)
- Ηλεκτρονικά ΙΙ (Ε)

Εαρινό εξάμηνο 2011-2012

- Εισαγωγή στις Τηλεπικοινωνίες (Θ)
- Εισαγωγή στις Τηλεπικοινωνίες (Ε)
- Ηλεκτρονικά Ι (Ε)

Χειμερινό εξάμηνο 2011-2012

- Εισαγωγή στις Τηλεπικοινωνίες (Θ)
- Εισαγωγή στις Τηλεπικοινωνίες (Ε)
- Ηλεκτρονικά ΙΙ (Θ)

Εαρινό εξάμηνο 2010-2011

- Εισαγωγή στις Τηλεπικοινωνίες (Θ)
- Εισαγωγή στις Τηλεπικοινωνίες (Ε)
- Ηλεκτρονικά Ι (Θ)

Χειμερινό εξάμηνο 2010-2011

- Εισαγωγή στις Τηλεπικοινωνίες (Θ)
- Εισαγωγή στις Τηλεπικοινωνίες (Ε)
- Ηλεκτρονικά Ι (Θ)

Εαρινό εξάμηνο 2009-2010

- Θεωρία Σημάτων (Θ).
- Εισαγωγή στις Τηλεπικοινωνίες (Θ)
- Εισαγωγή στις Τηλεπικοινωνίες (Ε)
- Ηλεκτρονικά Ι (Θ+ΑΠ)

2.2.4 Επιστημονικός Συνεργάτης του Τμήματος Ηλεκτρολογίας του Τ.Ε.Ι. Λαμίας

Εαρινό εξάμηνο 2008-2009

- Θεωρία Σημάτων (Θ) (υποχρεωτικό μάθημα 5^{ου} εξαμήνου-Αυτοδύναμη Διδασκαλία).
- Εισαγωγή στις Τηλεπικοινωνίες (Θ+ΑΠ) (υποχρεωτικό μάθημα 6^{ου} εξαμήνου-Αυτοδύναμη Διδασκαλία).

Χειμερινό εξάμηνο 2008-2009

- Θεωρία Σημάτων (Θ) (υποχρεωτικό μάθημα 5^{ου} εξαμήνου-Αυτοδύναμη Διδασκαλία).
- Εισαγωγή στις Τηλεπικοινωνίες (Θ+ΑΠ) (υποχρεωτικό μάθημα 6^{ου} εξαμήνου-Αυτοδύναμη Διδασκαλία).

2.2.5 Διατμηματικό ΜΠΕ Ηλεκτρονικής και ΡαδιοΗλεκτρολογίας (Ρ/Η), Τμήματα Πληροφορικής & Τηλεπικοινωνιών – Φυσικής του Πανεπιστημίου Αθηνών

Εαρινό εξάμηνο 2008-2009

- Ψηφιακές Επικοινωνίες ΙΙ (υποχρεωτικό μάθημα Α' έτους-Συνδιδασκαλία).

Χειμερινό εξάμηνο 2008-2009

- Ψηφιακές Επικοινωνίες Ι (υποχρεωτικό μάθημα Α' έτους-Συνδιδασκαλία).

Εαρινό εξάμηνο 2007-2008

- Ψηφιακές Επικοινωνίες ΙΙ (υποχρεωτικό μάθημα Α' έτους-Συνδιδασκαλία).

2.2.6 Συμβασιούχος ΠΔ 407/80 στο Τμήμα Πληροφορικής με Εφαρμογές στη Βιοϊατρική του Πανεπιστημίου Στερεάς Ελλάδας

Χειμερινό εξάμηνο 2008-2009

- Θεωρία Πληροφορίας (μάθημα επιλογής 5^{ου} εξαμήνου-Αυτοδύναμη Διδασκαλία).

Εαρινό εξάμηνο 2007-2008

- Ασύρματα Επικοινωνιακά Συστήματα (μάθημα επιλογής 6^{ου} εξαμήνου-Αυτοδύναμη Διδασκαλία).

Χειμερινό εξάμηνο 2007-2008

- Θεωρία Πληροφορίας (μάθημα επιλογής 5^{ου} εξαμήνου-Αυτοδύναμη Διδασκαλία).

Εαρινό εξάμηνο 2006-2007

- Ασύρματα Επικοινωνιακά Συστήματα (μάθημα επιλογής 6^{ου} εξαμήνου-Αυτοδύναμη Διδασκαλία).

2.2.7 Εργαστηριακός Συνεργάτης του Τμήματος Πληροφορικής και Τεχνολογίας Υπολογιστών, ΤΕΙ Λαμίας

Εαρινό εξάμηνο 2005-2006

- Κινητές Επικοινωνίες (εργαστήριο 6^{ου} εξαμήνου-Συνδιδασκαλία).

Χειμερινό εξάμηνο 2005-2006

- Κινητές Επικοινωνίες (εργαστήριο 6^{ου} εξαμήνου-Συνδιδασκαλία).

2.2.8 Εργαστηριακός Συνεργάτης του Τμήματος Ηλεκτρονικής του Τ.Ε.Ι. Λαμίας

Εαρινό εξάμηνο 2004-2005

- Τηλεπικοινωνίες (υποχρεωτικό μάθημα 5^{ου} εξαμήνου-Αυτοδύναμη Διδασκαλία).

Χειμερινό εξάμηνο 2004-2005

- Τηλεπικοινωνίες (υποχρεωτικό μάθημα 5^{ου} εξαμήνου-Αυτοδύναμη Διδασκαλία).

Εαρινό εξάμηνο 2003-2004

- Τηλεπικοινωνίες (υποχρεωτικό μάθημα 5^{ου} εξαμήνου-Αυτοδύναμη Διδασκαλία).
- Τηλεοπτικά Συστήματα (εργαστήριο 7^{ου} εξαμήνου-Συνδιδασκαλία).

Χειμερινό εξάμηνο 2003-2004

- Τηλεπικοινωνίες (υποχρεωτικό μάθημα 5^{ου} εξαμήνου-Αυτοδύναμη Διδασκαλία).
- Τηλεοπτικά Συστήματα (εργαστήριο 7^{ου} εξαμήνου-Συνδιδασκαλία).

Εαρινό εξάμηνο 2002-2003

- Αρχιτεκτονική Υπολογιστών (υποχρεωτικό μάθημα 3^{ου} εξαμήνου-Αυτοδύναμη Διδασκαλία).
- Αρχιτεκτονική Υπολογιστών (εργαστήριο 3^{ου} εξαμήνου-Συνδιδασκαλία).

Χειμερινό εξάμηνο 2002-2003

- Αρχιτεκτονική Υπολογιστών (υποχρεωτικό μάθημα 3^{ου} εξαμήνου-Αυτοδύναμη Διδασκαλία).
- Αρχιτεκτονική Υπολογιστών (εργαστήριο 3^{ου} εξαμήνου-Συνδιδασκαλία).

Εαρινό εξάμηνο 2001-2002

- Αρχιτεκτονική Υπολογιστών (υποχρεωτικό μάθημα 3^{ου} εξαμήνου-Αυτοδύναμη Διδασκαλία).
- Αρχιτεκτονική Υπολογιστών (εργαστήριο 3^{ου} εξαμήνου-Συνδιδασκαλία).

2.2.9 Τμήμα Ηλεκτρολόγων Μηχανικών και Τεχνολογίας Υπολογιστών του Πανεπιστημίου Πατρών

Στα πλαίσια εκπόνησης της Διδακτορικής μου Διατριβής παρείχα διδακτικό επικουρικό έργο (αμισθί) στα παρακάτω μαθήματα:

- Διάδοση Κυμάτων & Σχεδίαση Κεραιών (7^{ο} εξάμηνο-Συνδιδασκαλία)
- Συστήματα Ευρείας Εκπομπής (8^{ο} εξάμηνο- Συνδιδασκαλία)

2.2.10 Επίβλεψη Πτυχιακών Εργασιών

- Έχουν ολοκληρωθεί, υπό την επίβλεψή του από τον Φεβρουάριο του 2010 έως σήμερα, δεκαέξι (16) Πτυχιακές Εργασίες. Την περίοδο αυτή επιβλέπει άλλες πέντε (5) Πτυχιακές Εργασίες.
- Συμμετοχή σε πενήντα (50) Τριμελείς Επιτροπές Εξέτασης Πτυχιακών Εργασιών σπουδαστών του Τμήματος Ηλεκτρολογίας του Τ.Ε.Ι. Λαμίας.

2.2.11 Επίβλεψη Διδακτορικών Διατριβών

- **08/2015– 04/2019, Sultangali Arzykulov**, PhD Thesis: Enhanced Cognitive Radio with Energy Harvesting and Non-Orthogonal Multiple Access, Nazarbayev University, Kazakhstan, PhD Defense date: 10-4-2019.

- **01/2017–04/2020, Leila Tlebaldiyeva**, PhD Thesis: Spectrum sensing/sharing cognitive radio systems withhardware constraints, Nazarbayev University, Kazakhstan, PhD Defense date: 08-4-2020

2.21.2 <u>Συμμετοχή σε Επιτροπές Διδακτορικών Διατριβών</u>

- Μέλος της Τριμελούς Συμβουλευτικής Επιτροπής εκπόνησης της Διδακτορικής Διατριβής του κ. Δημήτριου Καρά, 2011-2018
  Area: Physical (PHY)-layer security in wireless communications systems and error correction coding techniques.

- Μέλος της Επταμελούς Εξεταστικής Επιτροπής της Διδακτορικής Διατριβής της Taghreed Hazim Mustafa Safaryan, 2011
  PhD Thesis: Optimizing transmission and reception techniques for ultra wideband communications systems.

- Εξωτερικός Κριτής της Διδακτορικής Διατριβής του Rajarajan S., PhD Thesis: Throughput-Reliability Tradeoff Analysis of Multiplexing Oriented Transmission Schemes, Indian Institute of Technology (IIT) Kharagpur, India, 2017.
- Εξωτερικός Κριτής της Διδακτορικής Διατριβής C. Liu, PhD Thesis: Physical Layer Security in Wireless Communication Systems, The University of New South Wales (UNSW), Sydney, Australia, 2016.
- Εξωτερικός Κριτής της Διδακτορικής Διατριβής της Parul, P., PhD Thesis: Free–Space Optics: Performance Evaluation of Diversity Techniques, University of Delhi, India, 2015.

- Εξωτερικός Κριτής της Διδακτορικής Διατριβής της Ms. A. Babiyola, Dr. Mgr Educational and Research Institute, University, 2015
  PhD Thesis: Cross Layer Design of Cognitive Radio Systems

- Εξωτερικός Κριτής της Διδακτορικής Διατριβής της R. RATHNA, Centre for Research, ANNA University, Chennai, India, 2014
  PhD Thesis: Energy Efficient Wireless Sensor Network for Environmental Monitoring Applications
- Εξωτερικός Κριτής της Διδακτορικής Διατριβής της R. Pugalenthi, Centre for Research, ANNA University, Chennai, India, 2014
  PhD Thesis: Efficient Protocols for Dynamic Multicasting in Heterogeneous Network

- Κριτής της Διδακτορικής Διατριβής της N. Latha, Centre for Research, ANNA University, Chennai, India, 2013
  PhD Thesis: Studies on Reliability Enhancement of Wireless Sensor Network through Fault Tolerant Techniques

- Εξωτερικός Κριτής της Διδακτορικής Διατριβής της T. Manimekalai, Centre for Research, ANNA University, Chennai, India, 2013
  PhD Thesis: Cross Layer Design Based Solutions for QoS enhancement in Wireless Networks

- Εξωτερικός Κριτής της Διδακτορικής Διατριβής του S. Vijayaragavan, Centre for Research, ANNA University, Chennai, India, 2011
  PhD Thesis: Power Aware Congestion Control Multi-Path Mulitcast Routing Protocol in MANET Establishing VCR

- Εξωτερικός Κριτής της Διδακτορικής Διατριβής του J. Martin Leo Manickam, Centre for Research, ANNA University, Chennai, India, 2009
  PhD Thesis: Studies on Resiliency-Oriented and Trust-Based Secure Routing in MANET

3. ΕΡΕΥΝΗΤΙΚΗ ΔΡΑΣΤΗΡΙΟΤΗΤΑ

3.1 Αντικείμενα Ερευνητικής Δραστηριότητας

- 5*G*/6*G* Technologies
- Reconfigurable Intelligent Surfaces
- Ultra Reliable & Low Latency Communication (URLLC)
- Machine Learning/Deep Learning for Wireless Communications
- Internet of Things (IoT)
- Physical Layer Security
- Wireless Powered Communications
- Optical Wireless (FSO & VLC)

3.2 Συμμετοχή σε Διεθνείς Επιτροπές Έρευνας

- Εθνικός Εμεπειρογνώμονας για το Ευρωπαϊκό Πλαίσιο Έρευνας **HORIZON 2020 Τεχνολογίες Πληροφορικής & Επικοινωνιών (ICT)** 2014-2020 (*Απόφαση Γενικού Γραμματέα Έρευνας & Τεχνολογίας, Αριθμ. Πρωτ.: 225/27-02-2014*).

3.3 Συμμετοχή σε Ερευνητικά Προγράμματα

- 2019-2021 Core Member, General Project of Natural Science Foundation of Guangdong Province, 2019A1515012136, Title: Research on Physical Layer Security for Ultra-Secure and Reliable IoT Applications, Duration: 2019/10- 2021/09, Budget: RMB 100,000.
- 2018 Core Member, Guangdong Science and Technology Plan Project, Title: Key Optical Wireless Converged Technologies for Distributed 5G Systems, Funding Source: Guangdong Province, China, Coordinator: SUN YAT-SEN UNIVERSITY, Duration: 1.1.2019 - 31.12.2021, Budget: 30M RMB 4.5M USD.
- 2018-2020 External Collaborator, NU Small Grant, PI Prof. C. Valagiannopoulos, Physics Dept., Title: Super transmitters, radiators and lenses via photonic synthetic matter, SST2018039, Duration: 2018/01-2020/12, Budget: USD 150,000.
- 2017 PI, VAJRA (Visiting Advanced Joint Research) Faculty Scheme, “Non-Orthogonal Multiple Access (NOMA) Enhanced Mobile Communication Systems”, Host Institution: Visvesvaraya National Institute of Technology (VNIT) , (in the process of evaluation).

- 2016–2017 PI, Social Grant, "Energy Harvesting and Information Transfer in Cooperative Cognitive Radio Networks", Nazarbayev University, Budget: 10,000 USD.Μέλος της συντονιστικής ομάδας του ευρωπαϊκού ερευνητικού προγράμματος: "SOLDER: Spectrum OverLay through aggregation of heterogeneous DispERsed Bands" 7th Framework Programme for Research, Activity 11-1.1 FutNetw STREP+IP , 2013 – 2016, Budget: 2.485.454 €.
- Ερευνητής στο έργο: "PSpARC: A Framework for Pervasive and Spectrum Aggregating Radio with Cognition",Qatar National Research Fund, 2013-2015, συνολικού προϋπολογισμού 370.000 USD.
- Ερευνητής και μέλος της Επιστημονικής Επιτροπής του έργου με τίτλο: "NSRF 2007-2013, Δράση ΣΥΝΕΡΓΑΣΙΑ 2011, Τίτλος: "*ΜΕΙΩΣΗ ΤΗΣ ΚΑΤΑΝΑΛΩΣΗΣ ΕΝΕΡΓΕΙΑΣ ΣΕ ΣΥΣΤΗΜΑΤΑ ΙΣΧΥΟΣ ΣΤΗΝ ΝΑΥΤΙΛΙΑ ΜΕΣΩ ΚΑΙΝΟΤΟΜΟΥ ΔΙΑΧΕΙΡΙΣΗΣ ΤΗΣ ΑΝΑΚΤΗΣΗΣ ΕΝΕΡΓΕΙΑΣ*" (ECOMARINE), Διάρκεια του Προγράμματος: 02/01/2013 – 30/06/2015, Προϋπολογισμός: 2.464.226,50 €.
- Ερευνητής και μέλος της Επιστημονικής Επιτροπής του έργου με τίτλο: «*ΔΙΕΡΕΥΝΗΣΗ ΤΗΣ ΒΕΛΤΙΣΤΗΣ ΔΙΑΤΑΞΗΣ ΓΙΑ ΤΗΝ ΕΞΟΙΚΟΝΟΜΗΣΗ ΕΝΕΡΓΕΙΑΣ ΣΕ ΒΙΟΜΗΧΑΝΙΚΕΣ ΔΙΕΡΓΑΣΙΕΣ ΜΕΣΩ ΤΗΣ ΕΝΕΡΓΟΥ ΑΝΤΙΣΤΑΘΜΙΣΗΣ ΤΗΣ ΑΕΡΓΟΥ ΙΣΧΥΟΣ ΚΑΙ ΤΩΝ ΑΡΜΟΝΙΚΩΝ ΕΓΧΥΣΕΩΝ ΚΑΙ ΤΗΣ ΤΑΥΤΟΧΡΟΝΗΣ ΕΚΜΕΤΑΛΛΕΥΣΗΣ ΤΗΣ ΕΝΕΡΓΕΙΑΣ ΠΕΛΗΣΗΣ*», συνολικού προϋπολογισμού 500.000 € (Δημόσια Δαπάνη 361.000 €). Πράξη «Υποστήριξη Ομάδων Μικρομεσαίων Επιχειρήσεων για Δραστηριότητες Έρευνας & Τεχνολογικής Ανάπτυξης – Α κύκλος». Διάρκεια: 01/02/2011 έως 31/01/2014.
- Ερευνητής και μέλος της Επιστημονικής Επιτροπής του έργου με τίτλο: «*ΕΞΟΙΚΟΝΟΜΗΣΗ ΕΝΕΡΓΕΙΑΣ ΣΕ ΑΝΕΛΚΥΣΤΗΡΕΣ*» (συντ. τίτλου: *LESS*) στη Δράση εθνικής εμβέλειας «ΣΥΝΕΡΓΑΣΙΑ»-Πράξη Ι. Η διάρκεια του προγράμματος είναι από 17/05/2012 έως 17/05/2015 συνολικού προϋπολογισμού 500.000 €. Επιστημονικός Υπεύθυνος: Ε. Τατάκης, Αναπληρωτής Καθηγητής, Τμήμα Ηλεκτρολόγων Μηχανικών και Τεχνολογίας Υπολογιστών, Πανεπιστήμιο Πατρών.
- Επιστημονικός Υπεύθυνος & Ερευνητής του Ερευνητικού Προγράμματος: «ΑΡΧΙΜΗΔΗΣ ΙΙΙ», της πρότασης με τίτλο «*OPTIMUM CONNECTION OF DISTRIBUTED RENEWABLE ENERGY SOURCES TO THE PUBLIC GRIDS – DGRES*». Διάρκεια: 01/01/2013 έως 31/12/2015 συνολικού προϋπολογισμού 100.000 €.
- Ερευνητής του Ερευνητικού Προγράμματος: «*ΜΕΛΕΤΗ ΓΕΝΙΚΕΥΜΕΝΩΝ ΚΑΤΑΝΟΜΩΝ ΔΙΑΛΕΙΨΕΩΝ ΓΙΑ ΨΗΦΙΑΚΕΣ ΑΣΥΡΜΑΤΕΣ ΕΠΙΚΟΙΝΩΝΙΕΣ*», Γ.Γ.Ε.Τ, Διακρατική συνεργασία Ελλάδας-Τυνησίας, 2005-2007 συνολικού προϋπολογισμού 11.740 €. Επιστημονικός Υπεύθυνος: Γ. Κ. Καραγιαννίδης, Επικ. Καθηγητής, ΑΠΘ.
- Ερευνητής του Ερευνητικού Προγράμματος «*ΑΝΑΠΤΥΞΗ ΑΠΟΔΟΤΙΚΩΝ ΤΕΧΝΙΚΩΝ ΛΗΨΗΣ ΣΕ ΣΥΣΤΗΜΑΤΑ ΚΙΝΗΤΗΣ ΕΠΙΓΕΙΑΣ ΨΗΦΙΑΚΗΣ ΤΗΛΕΟΡΑΣΗΣ (MOBILE DVB-T)*», Γ.Γ.Ε.Τ, Διακρατική συνεργασία Ελλάδας-Μαυροβουνίου, 2006-2008 συνολικού προϋπολογισμού 11.740 €. Επιστημονικός Υπεύθυνος: Γ. Κ. Καραγιαννίδης, Επικ. Καθηγητής, ΑΠΘ.

4. ΕΠΙΣΤΗΜΟΝΙΚΕΣ ΔΡΑΣΤΗΡΙΟΤΗΤΕΣ-ΔΙΕΘΝΗΣ ΑΝΑΓΝΩΡΙΣΗ

4.1 Μέλος Εκδοτικών Επιτροπών (Editorial Boards) Επιστημονικών Περιοδικών

- Area Editor for Wireless Communications II, IEEE Transactions on Communications, 01/2016 - Σήμερα
- Associate Editor, IEEE Transactions on Mobile Computing, 02/2017 – Σήμερα
- Associate Editor for Performance Analysis for Wireless Systems, IEEE Transactions on Communications, 05/2015 – 01/2017
- Senior Editor, IEEE Communications Letters, 01/2014 – 07/2015.
- Editor, IEEE Communications Letters, 07/2010-01/2014.
- Editor, IEEE Transactions on Vehicular Technology, 09/2010-10/2012.
- Editor, IET Communications, 08/2010-10/2012.
- Journal of Electrical and Computer Engineering-European Association for Signal Processing (EURASIP)- Hindawi Publishing Corporation, 08/2007-08/2010.
- Recent Patents on Electrical Engineering-Bentham Science Publishers, 07/2007-08/ 2010.

4.2 Κριτής σε Διεθνή Επιστημονικά Περιοδικά

- IEEE Transactions on Communications
- IEEE Transactions on Wireless Communications
- IEEE Journal on Selected Areas in Communications
- IEEE Communications Letters
- IEEE Transactions on Vehicular Technology
- IEEE Transactions on Signal Processing
- IEEE Signal Processing Letters
- IEEE/OSA Journal of Lightwave Technology
- IEEE Photonics Technology Letters
- IEEE Communications Magazine
- Journal of Optical Communications and Networking (JOCN), OSA/IEEE
- IET Communications (formerly IEE Proceedings - Communications)
- IET Optoelectronics
- Electronics Letters
- EURASIP Journal of Wireless Communications & Networks
- EURASIP Journal on Advances on Signal Processing
- EURASIP Research Letters in Communications
- KICS Journal of Communications & Networks
- Wiley-Wireless Communications & Mobile Computing
- Wiley-International Journal of Satellite Communications & Networking
- Journal of Computers and Electrical Engineering- Elsevier
- International Journal of Electronics, Taylor & Francis
- ETRI Journal
- Optics Communications, Elsevier
- Recent Patents on Electrical Engineering

- AMS – Mathematical Reviews

4.3 Κριτής σε Διεθνή Επιστημονικά Συνέδρια

- IEEE International Conference on Communications (IEEE ICC)
- IEEE Global Telecommunications Conference (IEEE GLOBECOM)
- IEEE Vehicular Technology Conference (IEEE VTC)
- IEEE Wireless Communications & Networking Conference (IEEE WCNC)
- Indoor and Mobile Radio Communications Symposium (PIMRC)

4.4 Μέλος Τεχνικών Επιτροπών Προγράμματος (Technical Program Committee) Διεθνών Συνεδρίων

- 2020 Co-Chair, Track on Spectrum Sharing, Spectrum Management, and Cognitive Radio, VTC 2020 Spring, Antwerp, Belgium.
- 2018 Symposium Co-Chair, Communication Theory Symposium, 2018 international conference on wireless communications and signal processing (WCSP 2018), Hangzhou, China, October 18-20, 2018.
- 2018 Program Chair, IEEE Second International Conference on Computing and Network Communications (CoCoNet'18), Astana, Kazakhstan.
- 2014 Co-Chair, IEEE VTC-2014, Track Co-Chair: Cooperative Communications, Distributed MIMO and Relaying.
- 2008-2019 TPC Member, T. A. Tsiftsis has participated in various symposiums in IEEE flagship conferences on Communications: IEEE GLOBECOM: 2008, 2013-2019 — IEEE ICC: 2010, 2011-2020.

4.5 Μέλος Οργανωτικών Επιτροπών Διεθνών Σεμιναρίων

- Member of the Organizing Committee of the workshop: S. Muhaidat, M. Uysal, T.A. Tsiftsis, J. Liang, M. Dianati, and I. Abualhaol, "Advances in broadband single-carrier transmission techniques: Theory and applications (ABSCTT 2012)" 25th IEEE Canadian Conference on Electrical & Computer Engineering (CCECE), 2012, pp.1-4, April 29 2012-May 2 2012.

5. ΔΙΑΚΡΙΣΕΙΣ - ΑΛΛΕΣ ΔΡΑΣΤΗΡΙΟΤΗΤΕΣ

- IEEE Vehicular Technology Society Distinguished Lecturer, 2018-2019
- Επίτιμος Καθηγητής του Πανεπιστημίου Shandong JiaoTong University, Jinan City, China.
- Αναπληρωματικό Μέλος του ΤΕΙ Στερεάς Ελλάδας στο Περιφρειακό Συμβούλιο Καινοτομίας της Περιφέρειας Στερεάς Ελλάδας (ΑΔΑ: ΒΙΞΟ7ΛΗ-9ΒΨ)
- Βράβευση από την εταιρία Ericsson Hellas S.A. για την καλύτερη διδακτορική διατριβή προερχόμενη από το Τμήμα Ηλεκτρολόγων Μηχανικών και Τεχνολογίας Υπολογιστών του Πανεπιστήμιου Πατρών, στα πλαίσια των *Ericsson Awards of Excellence*, Ιούλιος 2007.

- Συμμετοχή στην ομάδα της Philips Business Communications και παρουσίαση της εφαρμογής Web–enabled Call Centre (Sopho @vance) στη *CeBIT 2001*, Αννόβερο Γερμανίας, Μάρτιος 2001.
- IEEE Student Travel Award GLOBECOM 2004.
- Αξιολογητής της Γενικής Γραμματείας Έρευνας & Τεχνολογίας.
- Αξιολογητής ερευνητικών προτάσεων King Abdullah University of Science and Technology (KAUST)-- Competitive Research Grant Program (CGR).
- Αξιολογητής Πράξεων του ΕΠ «Ψηφιακή Σύγκλιση» «Μητρώο Αξιολογητών Πράξεων Ψηφιακής Σύγκλισης» (ΜΑΠΨΣ).
- Ερευνητής του Κέντρου Τεχνολογικής Έρευνας Στερεάς Ελλάδας, Τεχνολογικό Εκαπιδευτικό Ίδρυμα Στερεάς Ελλάδας.
- Τίτλος υψηλής ακαδημαϊκής επίδοσης στο ΜΔΕ «Επιστήμες των Αποφάσεων» του Οικονομικού Πανεπιστημίου Αθηνών.

6. ΕΠΙΣΤΗΜΟΝΙΚΕΣ ΕΡΓΑΣΙΕΣ

- **1** Διδακτορική Διατριβή
- **2** Κεφάλαια σε Βιβλίο
- **138** Δημοσιεύσεις σε Διεθνή Επιστημονικά Περιοδικά
- **77** Ανακοινώσεις σε Διεθνή Επιστημονικά Συνέδρια

6.1 Διδακτορική Διατριβή

[Δ1]	*"ΜΕΛΕΤΗ-ΒΕΛΤΙΣΤΟΠΟΙΗΣΗ ΤΩΝ ΕΠΙΔΟΣΕΩΝ ΑΣΥΡΜΑΤΩΝ ΤΗΛΕΠΙΚΟΙΝΩΝΙΑΚΩΝ ΣΥΣΤΗΜΑΤΩΝ ΜΕ ΑΝΑΜΕΤΑΔΟΤΕΣ"* Διδακτορική Διατριβή, Τμήμα Ηλεκτρολόγων Μηχανικών και Τεχνολογίας Υπολογιστών, Πολυτεχνική Σχολή, Πανεπιστήμιο Πατρών, Οκτώβριος 2006. Επιβλέπων: Καθηγητής Σ. Κωτσόπουλος

6.2 Κεφάλαια σε Βιβλία

[BC2] H. Zhang, T. A. Tsiftsis, J. Cheng, and V. Leung, "Resource Allocation in Spectrum Sharing Cognitive Heterogeneous Networks," Chapter in Book, Handbook of Cognitive Radio - Section "Dynamic Spectrum Access and Sharing," Handbook of Cognitive Radio, Springer 2017.

[BC1] F. Kaltenberger, T. A. Tsiftsis, F. Foukalas, O. Holland and S. Ping, "Aggregation of spectrum opportunities," Chapter in the Book "Opportunistic Spectrum Sharing and White Space Access: The Practical Reality," Wiley, April 2015.

6.3 Δημοσιεύσεις σε Διεθνή Επιστημονικά Περιοδικά με Κριτές

[137] U. Singh, M. R. Bhatnagar, and T. A. Tsiftsis, "Feedback-Based SSK Modulation: Constellation Design and Performance Results," IEEE Transactions on Communications, accepted for publication, Aug. 2020.

[136] L. Yang, X. Yan, D. B. da Costa, T. A. Tsiftsis, H.-C. Yang, and M.-S. Alouini, "Indoor Mixed Dual-Hop VLC/RF Systems Through Reconfigurable Intelligent Surfaces," IEEE Wireless Communications Letters, accepted for publication, July 2020.

[135] Y. Li, N. I. Miridakis, T. A. Tsiftsis, G. Yang, and M. Xia, "Air-to-Air Communications Beyond 5G: A Novel 3D CoMP Transmission Scheme ," IEEE Transactions on Wireless Communications, accepted for publication, July 2020.

[134] S. Wang, R. Yao, T. A. Tsiftsis, N. I. Miridakis, and N. Qi, "Signal Detection in Uplink Time-Varying OFDM Systems Using RNN with Bidirectional LSTM," IEEE Wireless Communications Letters, accepted for publication, July 2020.

[133] S. Atapattu, R. Fan, P. Dharmawansa, G. Wang, J. Evans, and T. A. Tsiftsis, "Reconfigurable Intelligent Surface assisted Two–Way Communications: Performance Analysis and Optimization," IEEE Transactions on Communications, accepted for publication, July 2020.

[132] L. Yang, J. Yang, W. Xie, M. O. Hasna, T. A. Tsiftsis, M. Di Renzo, "Secrecy Performance Analysis of RIS-Aided Wireless Communication Systems," IEEE Transactions on Vehicular Technology, accepted for publication, June 2020.

[131] X. Li, Q. Wang. Y. Liu, T. A. Tsiftsis, Z. Ding, and A. Nallanathan, "UAV-Aided Multi-Way NOMA Networks with Residual Hardware Impairments," IEEE Wireless Communications Letters, accepted for publication, May 2020.

[130] P. Raut, P. K. Sharma, T. A. Tsiftsis, and Y. Zou, "Power-Time Splitting-based Non-Linear Energy Harvesting in FD Short-Packet Communications," IEEE Transactions on Vehicular Technology, vol. 69, no. 8, pp. 9146-9151, Aug. 2020.

[129] R. Yao, Y. Zhang, Q. Wu, T. A. Tsiftsis, N. Qi, X. Zuo, and S. Guo, "A Spectrum Efficient Constellation to Simultaneously Transmit Information and Synchronization Sequence," IEEE Access, vol. 8, pp. 95442-95456, 2020.

[128] N. Qi, N. I. Miridakis, M. Xiao, T. A. Tsiftsis, R. Yao, and S. Jin, "Traffic-aware Two-stage Queueing Communication Networks: Queue Analysis and Energy Saving," IEEE Transactions on Communications, vol. 68, no. 8, pp. 4919-4932, Aug. 2020.

[127] H. Liu, T. A. Tsiftsis, K. J. Kim, K. S. Kwak, and H. V. Poor, "Rate Splitting for Uplink NOMA with Enhanced Fairness and Outage Performance," IEEE Transactions on Wireless Communications, vol. 19, no. 7, pp. 4657-4670, July 2020.

[126] N. Qi, M. Wang, W.-J. Wang, T. A. Tsiftsis, R. Yao, G. Yang, "Energy Efficient Full-duplex UAV Relaying Networks Under Load-Carry-and-Delivery Scheme," IEEE Access, vol. 8, pp. 74349-74358, 2020.

[125] M.-M. Zhao, Y. Cai, M.-J. Zhao, B. Champagne, and T. A. Tsiftsis, “Improving Caching Efficiency in Content-aware C-RAN-based Cooperative Beamforming: A Joint Design Approach," IEEE Transactions on Wireless Communications, vol. 19, no. 6, pp. 4125-4140, June 2020 .

[124] L. Tlebaldyeva, B. Maham and T. A. Tsiftsis, “Capacity Analysis of Device-to-Device mmWave Networks Under Transceiver Distortion Noise and Imperfect CSI," IEEE Access, vol. 69, no. 5, pp. 5707-5712, May 2020.

[123] K. Guo, K. An, B. Zhang, Y. Huang, X. Tang, G. Zheng, and T. A. Tsiftsis, “Physical Layer Security for Multiuser Satellite Communication Systems with Threshold-based Scheduling Scheme,” IEEE Transactions on Vehicular Technology, vol. 69, no. 5, pp. 5129-5141, May 2020 .

[122] Q. Huang, M. Lin, J.-B. Wang, T. A. Tsiftsis, and J. Wang, “Energy Efficient Beamforming Schemes for Satellite-Aerial-Terrestrial Networks,” IEEE Transactions on Communications, vol. 68, no. 6, pp. 3863-3875, June 2020.

[121] W. Zhao, G. Wang, S. Atapattu, T. A. Tsiftsis, and X. Ma, “Performance Analysis of Large Intelligent Surface Aided Backscatter Communication Systems,“ IEEE Wireless Communications Letters, vol. 9, no. 7, pp. 962-966, July 2020 .

[120] W. Zhao, G. Wang, S. Atapattu, T. A. Tsiftsis, and C. Tellambura, “Is Backscatter Link Stronger than Direct Link in Reconfigurable Intelligent Surface-Assisted System?,“ IEEE Communications Letters, vol. 24, no. 6, pp. 1342-1346, June 2020.

[119] Z. Shi, H. Wang, Y. Fu, G. Yang, S. Ma, F. Hou, and T. A. Tsiftsis, “Zero-Forcing Based Downlink Virtual MIMO-NOMA Communications in IoT Networks,“ IEEE Internet of Things Journal, vol. 7, no. 4, pp. 2716-2737, April 2020.

[118] C. Valagiannopoulos, T. A. Tsiftsis, and V. Kovanis, “Metasurface-Enabled Interference Mitigation in Visible Light Communication Architectures,“ IOP Journal of Optics, vol. 21, no.11, Oct. 2019.

[117] N. I. Miridakis, T. A. Tsiftsis, and G. Yang, ``Leveraging on the Impact of Imperfect Channel Estimation for Relaying Systems," IEEE Access, vol. 7, pp. 127809-127815, 2019.

[J116] X. Chen, M. Wen, Q. Li, Y.-C. Wu, and **T. A. Tsiftsis**, “Dual-Polarized Spatial Media-Based Modulation,” IEEE Journal on Selected Topics in Signal Processing, accepted for publication, August 2019.

[J115] R. Yao, Y. Zhang, S. Wang, N. Qi, N. I. Miridakis and **T. A. Tsiftsis**, “Deep Neural Network Assisted Approach for Antenna Selection in Untrusted Relay Networks,” IEEE Wireless Communications Letters, accepted for publication, July 2019.

[J114] M. Wen, B. Zheng, K. J. Kim, M. D. Renzo, **T. A. Tsiftsis**, K.-Cheng Chen, and N. Al-Dhahir, “A Survey on Spatial Modulation in Emerging Wireless Systems: Research Progresses and Applications,” IEEE Journal on Selected Areas in Communications, vol. 37, no. 9, pp. 1949-1972, Sept. 2019.

[J113] S. Arzykulov, G. Nauryzbayev, **T. A. Tsiftsis** and B. Maham, “Performance Analy- sis of Underlay Cognitive Radio Non-Orthogonal Multiple Access Networks,” IEEE Transactions on Vehicular Technology, accepted for publication, June 2019.

[J112] L. Tleabaldyeva, B. Maham, and **T. A. Tsiftsis**, "Device-to-Device mmWave Communication in the Presence of Interference and Hardware Distortion Noises," IEEE Communications Letters, accepted for publication, June 2019.

[J111] S. Zheng, **T. A. Tsiftsis**, W. Tan, G. Yang, S. Ma, and M.-S. Alouini, "Effective Capacity for Renewal Service Processes with Applications to HARQ Systems," IEEE Transactions on Communications, accepted for publication, June 2019.

[J110] M. J. C. Sanchez, A. Segneri, S. Kosmopoulos, Q. Zhu, **T. A. Tsiftsis**, A. Georgiadis, and G. Goussetis, "Novel Data Pre-distorter for APSK Signals in Solid-State Power Amplifiers ," IEEE Transactions on Circuits and Systems I, accepted for publication, May 2019.

[J109] Y. Jiang, Y. Zou, H. Guo, **T. A. Tsiftsis**, M. R. Bhatnagar, R. C. de Lamare, and Y.-D. Yao, "Joint Power and Bandwidth Allocation for Energy-Efficient Heterogeneous Cellular Networks ," IEEE Transactions on Communications, accepted for publication, May 2019.

[J108] S. Arzykulov, G. Nauryzbayev, **T. A. Tsiftsis**, B. Maham, and M. Abdallah, "On the Outage of Underlay CR-NOMA Networks with Detect-and-Forward Relaying," IEEE Transactions on Cognitive Communications, accepted for publication, May 2019.

[J107] N. I. Miridakis, **T. A. Tsiftsis**, and H.-M. Wang, "Zero Forcing Detection For Short Packet Transmission Under Channel Estimation Errors," IEEE Transactions on Vehic- ular Technology, vol. 68, no. 7, pp. 7164-7168, July 2019.

[J106] H. Guo, Z. Yang, Y. Zou, **T. Tsiftsis**, M. R. Bhatangar, and R. C. De Lamare, "Secure Beamforming for Cooperative Wireless-Powered Networks with Partial CSI," IEEE Internet of Things Journal, vol. 6, no. 4, pp. 6760-6773, Aug. 2019.

[J105] H. Wu, Y. Zou, W. Cao, Z. Chen, **T. Tsiftsis**, M. R. Bhatnagar, and R. De Lamare, "Impact of Hardware Impairments on Outage Performance of Hybrid Satellite-Terrestrial Relay Systems," IEEE Access, vol. 7, pp. 35103-35112,2019.

[J104] H.-M. Wang, X. Zhang, Q. Yang, and **T. A. Tsiftsis**, "Secure Users Oriented Downlink MISO NOMA," *Special Issue on Signal Processing Advances for Non-Orthogonal Mul- tiple Access in Next Generation*, IEEE Journal of Selected Topics in Signal Processing, vol. 13, no. 3, pp. 671-684, June 2019.

[J103] K. J. Kim, M. Di Renzo, H. Liu, **T. A. Tsiftsis**, P. V. Orlik, and H. V. Poor, "Distributed Cyclic Delay Diversity Systems with Spatially Distributed Interferers," IEEE Transactions on Wireless Communications, vol. 18, no. 4, pp. 2066-2079, April 2019.

[J102] A. Basgumus, M. Namdar, and **T. A. Tsiftsis**, "Broadcast Cognitive Radio with Dirty Paper Coding over Nakagami-m Fading Channel," Advances in Electrical and Computer Engineering, vol.19, no.1, pp.3-8, 2019.

[J101] L. Tlebaldiyeva, **T. A. Tsiftsis** and B. Maham, "Performance Analysis of Improved Energy Detector with Hardware Impairments for Accurate Spectrum Sensing," IEEE Access, vol. 7, pp. 13927-13938, Jan. 2019.

[J100] N. Qi, M. Xiao, **T. A. Tsiftsis**, R. Yao, and S. Mumtaz, "Energy Efficient Two- tier Network-Coded Relaying Systems Considering Processing Energy Costs," IEEE Transactions on Vehicular Technology, accepted for publication, November 2018.

[J99] N. I. Miridakis and **T. A. Tsiftsis**, "A New Interweave Cognitive Radio Scheme for Out-band Energy Harvesting Systems," IEEE Access, November 2018.

[J98] K. Le and **T. A. Tsiftsis**, "Wireless Security Employing Opportunistic Relays and an Adaptive Encoder Under Outdated CSI and Dual-Correlated Nakagami-m Fading," IEEE Transactions on Communications, vol. 67, no. 3, pp. 2405-2419, March 2019.

[J97] F. Wei, W. Chen, Y. Wu, J. Ma, and **T. A. Tsiftsis**, "Message-Passing Receiver Design for Joint Channel Estimation and Data Decoding in Uplink Grant-Free SCMA Systems," IEEE Transactions on Wireless Communications, accepted for publication, October 2018.

[J96] K. Guo, M. Lin, B. Zhang, W.-P. Zhu, J.-B. Wang, and **T. A. Tsiftsis**, "On the Performance of LMS Communication with Hardware Impairments and Interference," IEEE Transactions on Communications, vol. 67, no. 2, pp. 1490-1505, Feb. 2019.

[J95] S. Arzykulov, **T. A. Tsiftsis**, G. Nauryzbayev, and M. Abdallah, "Outage Performance of Cooperative Underlay CR-NOMA with Imperfect CSI," IEEE Communications Letters, accepted for publication, October 2018.

[J94] A. Rahmati, K. Raahemifar, **T. A. Tsiftsis**, A. Anpalagan, and P. Azmi, "OFDM Signal Recovery in Deep Faded Erasure Channel," IEEE Access, vol. 7, pp. 38798-38812, 2019.

[J93] N. Agrawal, P. K. Sharma, and **T. A. Tsiftsis**, "Multi-hop DF Relaying-Based PLC System with Rayleigh Fading and Bernoullli-Laplacian Noise," IEEE Systems Journal, vol. 13, no. 1, pp. 357–364, March 2019.

[J92] N. I. Miridakis, **T. A. Tsiftsis** and G. C. Alexandropoulos, "MIMO Underlay Cog- nitive Radio: Optimized Power Allocation, Effective Number of Transmit Antennas and Harvest-Transmit Tradeoff," IEEE Transactions on Green Communications and Networking, vol. 2, no. 4, pp. 1101-1114, Dec. 2018.

[J91] R. Yakupov, and **T. A. Tsiftsis**, "Outage Probability of Non-Orthogonal Multiple Access with Partial Relay Selection Over Nakagami-m Fading Channels," Physical Communication, Elsevier, vol. 29, pp. 276-287, Aug. 2018.

[J90] Z. Xue, J. Wang, G. Ding, Q. Wu, Y. Lin, and **T. A. Tsiftsis**, "Device-to-Device Communications Underlying UAV-Supported Social Networking," IEEE Access, vol. 6, pp. 34488-34502, Dec. 2018.

[J89] K.-W. Huang, H.-M. Wang, and **T. A. Tsiftsis**, "Base Station Cooperation in Mil- limeter Wave Cellular Networks: Performance Enhancement of Cell-Edge Users," IEEE Transactions on Communications, vol. 66, no. 11, pp. 5124-5139, Nov. 2018.

[J88] M. Namdar, A. Basgumus, **T. A. Tsiftsis**, and A. Altuncu, "Outage and BER Perfor- mances of Indoor Relay-Assisted Hybrid RF/VLC Systems," IET Communications, vol. 12, no. 17, pp. 2104-2109, 30 10 2018.

[J87] N. I. Miridakis, **T. A. Tsiftsis**, D. D. Vergados, and A. Michalas, "All Cognitive MIMO: A New Multiuser Detection Approach with Different Priorities," IEEE Transactions on Wireless Communications, vol. 17, no. 8, pp. 5148-5161, Aug. 2018.

[J86] V. Palliyembil, J. V. K. P. Muthuchidamdaranathnan, and **T. A. Tsiftsis,** "Capacity and Outage Probability Analysis of Asymmetric Dual-Hop RF-FSO Communications Systems," IET Communications, vol. 12, no. 16, pp. 1979-1983, Sept. 2018.

[J85] S. Arzykulov, G. Nauryzbayev, **T. A. Tsiftsis**, and M. Abdallah, "On the Performance of Wireless Powered Cognitive Relay Network with Interference Alignment," IEEE Transactions on Communications, vol. 66, no. 9, pp. 3825-3836, Sept. 2018.

[J84] J. Lopez-Fernandez, E. Martos-Naya, F.J. Lopez-Martinez and T. Tsiftsis, "On the Distribution of the Received Signal Power in Mobile Networks: a Moment-Based Approach," IEEE Transactions on Vehicular Technology, vol. 67, no. 8, pp. 7754-7758, Aug. 2018.

[J83] Y. Xu, H.-M. Wang, K.-W. Huang, Z. Han, and **T. A. Tsiftsis**, "Cooperative Secure Transmission by Exploiting Social Ties in Random Networks," IEEE Transactions on Communications, vol. 66, no. 8, pp. 3610-3622, Aug. 2018.

[J82] R. Yao, Y. Lu, **T. A. Tsiftsis**, N. Qi, T. Mekkawy, and F. Xu, "Secrecy Rate-Optimum Energy Splitting for an Untrusted and Energy Harvesting Relay Network," IEEE Access, vol. 6, pp. 19238-19246, Dec. 2018.

[J81] T. Mekkawy, R. Yao, **T. A. Tsiftsis**, Fei Xu, and L. Yanan, "Joint Beamforming Alignment with Optimal PowerAllocation for A Two Way Untrusted Relay Network," IEEE Transactions on Information, Forensics and Security, vol. 13, no. 10, pp. 2464-2474, Oct. 2018.

[J80] G. Liu, R. Wang, H. Zhang, W. Kang, **T. A. Tsiftsis**, V. C.M. Leung, "Super- Modular Game Based User Scheduling and Power Allocation for Energy-Efficient NOMA Network," IEEE Transactions on Wireless Communications, vol. 17, no. 6, pp. 3877-3888, June 2018.

[J79] F. Foukalas and **T. A. Tsiftsis**, "Energy Efficient Power Allocation for Carrier Aggregation in Heterogeneous Networks: Partial Feedback and Circuit Power Consumption,"

IEEE Transactions on Green Communications and Networking, vol. 2, no. 3, pp. 623-634, Sept. 2018.

[J78] H.-M. Wang, K.-W. Huang, and **T. A. Tsiftsis**, "Multiple Antennas Secure Trans- mission under Pilot Spoofing and Jamming Attack," IEEE Journal on Selected Areas in Communications, **Special Issue on Physical Layer Security for 5G Wireless Networks**, vol. 36, no. 4, pp. 860-876, April 2018.

[J77] N. I. Miridakis, M. Xia, and **T. A. Tsiftsis**, "Optimal Power Allocation and Active Interference Mitigation for Spatial Multiplexed MIMO Cognitive Systems," IEEE Transactions on Vehicular Technology, vol. 67, no. 4, pp. 3349-3360, April 2018.

[J76] J. Bao, Z. Ma, M. Xiao, **T. A. Tsiftsis**, and Z. Zhu, "Bit-Interleaved Coded SCMA With Iterative Multiuser Detection: Multidimensional Constellations Design," IEEE Transactions on Communications, vol. 66, no. 11, pp. 5292-5304, Nov. 2018.

[J75] N. I. Miridakis and **T. A. Tsiftsis**, "Zero-Forcing Successive Decoding under Nakagami- *m* Fading Channels," Wireless Personal Communications, Springer, vol. 99, no. 1, pp.273-282 Mar. 2018.

[J74] H. Wang, J. Wang, G. Ding, L. Wang, **T. A. Tsiftsis**, and P. K. Sharma, "Resource Allocation for Energy Harvesting-Powered D2D Communication Underlaying UAV- Assisted Networks," IEEE Transactions on Green Communications and Networking, vol. 2, no. 1, pp. 14-24, March 2018.

[J73] G. Ding, Q. Wu, L. Zhang, Y. Lin, **T. A. Tsiftsis**, and Y.-D. Yao, "An Amateur Drone Surveillance System Based on Cognitive Internet of Things," IEEE Communications Magazine, vol. 56, no. 1, pp. 29-35, Jan. 2018.

[J72] L. Gahane, P. K. Sharma, N. Varshney, **T. A. Tsiftsis**, and P. Kumar, "An Improved Energy Detector for Mobile Cognitive Users over Generalized Fading Channels," IEEE Transactions on Communications, vol. 66, no. 2, pp. 534-545, Feb. 2018.

[J71] H. Liu, K. J. Kim, **T. A. Tsiftsis**, K. S. Kwak, and H. V. Poor, "Secrecy Performance of Finite-Sized Cooperative Full-Duplex Relay Systems with Unreliable Backhauls, " IEEE Transactions on Signal Processing, vol. 65, no. 23, pp. 6185-6200, December 2017.

[J70] A. Rahmati, K. Raahemifar, A. Anpalagan, **T. A. Tsiftsis**, P. Azmi, and N. I. Miridakis, "Superposition Modulation based Cooperation for Oversampled OFDM Signals," IEEE Transactions on Communications, vol. 65, no. 11, pp. 4791-4802, Nov. 2017.

[J69] S. Stefanatos, F. Foukalas and **T. A. Tsiftsis**, "Low Complexity Resource Allocation for Massive Carrier Aggregation, " IEEE Transactions on Vehicular Technology, vol. 66, no. 10, pp. 9614-9619, Oct. 2017.

[J68] P. C. Sofotasios, A. Bagheri, **T. A. Tsiftsis**, S. Freear, A. Shahzadi, and M. Valkama, "A Comprehensive Framework for Spectrum Sensing in Non-Linear and Generalized Fading Conditions," IEEE Transactions on Vehicular Technology, vol. 66, no. 10, pp. 8615-8631, Oct. 2017.

[J67] N. Qi, M. Xiao, **T. A. Tsiftsis**, M. Skoglund, and L. Li, "Efficient Coded Cooperative Networks with Energy Harvesting and Wireless Power Transfer," IEEE Transactions on Wireless Communications, vol. 16, no. 10, pp. 6335-6349, Oct. 2017.

[J66] C. Tsinos, F. Foukalas and **T. A. Tsiftsis**, "Resource Allocation for Licensed/Unlicensed Carrier Aggregation MIMO Systems," IEEE Transactions on Communications, vol. 65, no. 9, pp. 3765-3779, Sept. 2017.

[J65] M. Sayed, **T. A. Tsiftsis**, and N. Al-Dhahir, "On the Diversity of Hybrid Narrowband-PLC/Wireless Communications for Smart Grids," IEEE Transactions on Wireless Communications, vol. 16, no. 7, pp. 4344-4360, July 2017.

[J64] G. Ding, F. Wu, S. Tang, Q. Wu, F. Song, A. V. Vasilakos, and **T. A. Tsiftsis**, "Robust Online Spectrum Prediction with Incomplete and Corrupted Historical Observations," IEEE Transactions on Vehicular Technology, vol. 66, no. 9, pp. 8022-8036, Sept. 2017.

[J63] N. Miridakis and **T. A. Tsiftsis** G. C. Alexandropoulos, and M. Debbah, "Simultaneous Spectrum Sensing and Data Transmission for Cognitive Spatial Multiplexing Systems," IEEE Transactions on Wireless Communications, vol. 16, no. 5, pp. 3313-3327, May 2017.

[J62] H. G. Sandalidis, A. Vavoulas, **T. A. Tsiftsis**, and N. Vaiopoulos, "Illumination, data transmission, and energy harvesting: the threefold advantage of VLC," Appl. Opt. 56, 3421-3427 (2017).

[J61] N. I. Miridakis and **T. A. Tsiftsis**, "EGC Reception for FSO Systems under Mixture- Gamma Fading Channels and Pointing Errors," IEEE Communications Letters, vol. 21, no. 6, pp. 1441-1444, June 2017.

[J60] H. Mosavat-Jahromi, B. Maham and **T. A. Tsiftsis**, "Maximizing Spectral Efficiency for Energy Harvesting-Aware WBAN," IEEE Journal of Biomedical and Health Infor- matics, vol. 21, no. 3, pp. 732-742, May 2017.

[J59] N. Miridakis, **T. A. Tsiftsis** and C. Rowell, "Distributed Spatial Multiplexing Systems with Hardware Impairments and Imperfect Channel Estimation under Rank-1 Rician Fading Channels," IEEE Transactions on Vehicular Technology, vol. 66, no. 6, pp. 5122-5133, June 2017.

[J58] N. Miridakis and **T. A. Tsiftsis** "On the Joint Impact of Hardware Impairments and Imperfect CSI on Successive Decoding," IEEE Transactions on Vehicular Technology, vol. 66, no. 6, pp. 4810-4822, June 2017.

[J57] S. Arzykulov, G. Nauryzbayev, and **T. A. Tsiftsis**, "Underlay Cognitive Relaying System over α μ Fading Channels," IEEE Communications Letters, vol. 21, no. 1, pp. 216-219, Jan. 2017.

[J56] N. I. Miridakis, **T. A. Tsiftsis**, G. C. Alexandropoulos, and M. Debbah, "Green Cognitive Relaying: Opportunistically Switching between Data Transmission and Energy Harvesting," IEEE Journal on Selected Areas in Communications, vol. 34, no. 12, pp. 3725-3738, Dec. 2016.

[J55] I. Dey, **T. A. Tsiftsis**, and C. Rowell, "Achievable Channel Cut-off Rate and Bandwidth Efficiency in Mobility Constrained Indoor Wireless Environments", IEEE Transactions on Vehicular Communications, vol. 65, no. 12, pp. 10074-10079, Dec. 2016.

[J54] P. K. Sharma, A. Bansal, P. Garg, **T. A. Tsiftsis**, and R. Barrios, "Relayed FSO Com- munication with Aperture Averaging and Misalignment Errors," IET Communications, vol. 11, no. 1, pp. 45-52, Dec. 2016.

[J53] J. Qiu, G. Ding, Q. Wu, Z. Qian, **T. A. Tsiftsis**, Z. Du, and Y. Sun, "Hierarchical Resource Allocation Framework for Hyper-Dense Small Cell Networks," IEEE Access, vol. 4, pp. 8657-8669, 2016.

[J52] N. Qi, M. Xiao, **T. A. Tsiftsis**, M. Skoglund, P. L. Cao, and L. Li, "Energy Efficient Cooperative Network Coding with Joint Relay Scheduling and Power Allocation," IEEE Transactions on Communications, vol. 64, no. 11, pp. 4506-4519, Nov. 2016.

[J51] N. Papanikolaou, M. Loupis, N. Spiropoulos, E. Mitronikas, E. Tatakis, C. Christodoulou,

V. Zarikas, **T. A. Tsiftsis**, "On the investigation of energy saving aspects of commercial lifts," Energy Efficiency, Springer

[J50] M. Tang, Q. Wu, G. Ding, Z. Xue, and **T. A. Tsiftsis**, "A Joint Tensor Completion and Prediction Scheme for Multi-Dimensional Spectrum Map Construction," IEEE Access, vol. 4, pp. 8044-8052, 2016.

[J49] X. Jiang, C. Zhong, X. Chen, T. Q. Duong, **T. A. Tsiftsis**, and Z. Zhang, "Se- crecy Performance of Wirelessly Powered Wiretap Channels," IEEE Transactions on Communications, vol. 64, no. 9, pp. 3858- 3871, Sept. 2016.

[J48] A. Galanopoulos, F. Foukalas and **T. A. Tsiftsis**, "Efficient Coexistence of LTE with WiFi in the Licensed and Unlicensed Spectrum Aggregation," IEEE Transactions on Cognitive Communications and Networking, vol. 2, no. 2, pp. 129-140, June 2016.

[J47] A. Vavoulas, H. Sandalidis, **T. A. Tsiftsis**, and N. Vaiopoulos, "Coverage Aspects of Indoor VLC Networks," IEEE Journal of Lightwave Technology, vol. 33, no. 23, pp. 4915-4921, December 2015

[J46] **T. A. Tsiftsis**, F. Foukalas, G. K. Karagiannidis, and T. Khattab, "On the Higher- Order Statistics of the Channel Capacity in Dispersed Spectrum Cognitive Radio Systems over Generalized Fading Channels" IEEE Transactions on Vehicular Technology, vol. 65, no. 5, pp. 3818-3823, May 2016.

[J45] G. Ding, J. Wang, Q. Wu, Y.-D. Yao, F. Song, and **T. A. Tsiftsis**, "Cellular-Base- Station Assisted Device-to-Device Communications in TV white space," IEEE Journal on Selected Areas in Communications, vol. 34, no. 1, pp. January 2016.

[J44] G. Zhu, C. Zhong, H. A. Suraweera, G. K. Karagiannidis, Z. Zhang, and **T. A. Tsiftsis**, "Wireless Information and Power Transfer in Relay Systems with Multiple Antennas and Interference," IEEE Transactions on Communications, vol.63, no.4, pp.1400-1418, pp. 107-121, April 2015.

[J43] T. Tsiftsis, P. Sofotasios, N. Papanikolaou, M. Loupis, "On the Deployment of a Wireless Sensor Network in Dispersed Renewable Energy Sources for Increasing Efficiency of Power Distribution Networks", Journal of Modern Power Systems and Clean Energy, Springer, June 2015.

[J42] P. C. Sofotasios, **T. A. Tsiftsis**, Y. A. Brychkov, S. Freear, G. K. Karagiannidis, "Analytic Expressions and Bounds for Special Functions and Applications in Com- munication Theory," IEEE transactions on Information Theory, vol. 60, no. 12, pp. 7798-7823, Dec. 2014.

[J41] M. Fareed, M. Uysal and **T. A. Tsiftsis**, "Error Rate Performance Analysis of Coop- erative OFDMA System with Decode-and-Forward Relaying," IEEE Transactions on Vehicular Technology, vol. 63, no. 5, pp. 2216-2223, June2014.

[J40] F. Yang, J. Cheng, and **T. A. Tsiftsis**, "Free-Space Optical Communication with Nonzero Boresight Pointing Errors," IEEE Transactions on Communications, vol. 62, no.2, pp. 713-725, February 2014.

[J39] F. R. V. Guimaraes, D. B. da Costa, M. Benjillali, **T. A. Tsiftsis**, and G. K. Karagian- nidis, "Cooperative Spectrum Sharing Systems with Relay Selection in the Presence of Multiple Primary Receivers," IET Communications, vol. 8, no. 4, pp. 546-553, March 2014.

[J38] F. R. V Guimaraes, D. B. da Costa, **T. A. Tsiftsis**, C. C. Cavalcante, and G. K. Karagiannidis, "Multi-User and Multi-Relay Cognitive Radio Networks Under Spectrum Sharing Constraints," IEEE Transactions on Vehicular Technology, vol.63, no.1, pp.433- 439, Jan. 2014.

[J37] H. Phan, T. Q. Duong, H.-J Zepernick, **T. A. Tsiftsis**, "Distributed Orthogonal Space-Time Block Coding in Wireless Relay Networks," IET Communications, vol. 7, no. 16, pp. 1825-1835, November 2013.

[J36] Theodoros Tsiftsis, Nick Papanikolaou, Michael Loupis and Vasilios Zarikas, "On the Application of Cooperative Communications in Renewable Energy Sources for Maxi- mizing the Reliability of Power Distribution Networks," Journal of Green Engineering, vol.3, no.4, pp. 403-420, July 2013.

[J35] P.C. Sofotasios, E. Rebeiz, L. Zhang, **T. A. Tsiftsis**, S. Freear, and D. Cabric, "Energy Detection-Based Spectru" Sensing over $\kappa\ \mu$ and $\kappa\ \mu$ Extreme Fading Channels," IEEE Transactions on Vehicular Technology, vol.62, no.3, pp.1031-1040, March 2013.

[J34] T. Q. Duong, D.B. da Costa, **T. A. Tsiftsis**, C. Zhong, and A. Nallanathan, "Outage and Diversity of Cognitive Relaying Systems under Spectrum Sharing Environments in Nakagami-*m* Fading," IEEE Communications Letters, vol.16, no.12, pp.2075-2078, December 2012.

[J33] T. Q. Duong, H. A. Suraweera, **T. A. Tsiftsis**, H.-J. Zepernick, and A. Nallanathan, "Keyhole Effect in Dual-Hop MIMO AF Relay Transmission with Space-Time Block Codes," IEEE Transactions on Communications, vol.60, no.12, pp.3683-3693, December 2012.

[J32] H. Ding, J. Ge, D.B. da Costa and **T. A. Tsiftsis**, "A Novel Distributed Antenna Selection Scheme for Fixed-Gain Amplify-and-Forward Relaying Systems," IEEE Transactions on Vehicular Technology, vol.61, no.6, pp.2836-2842, July 2012.

[J31] **T. A. Tsiftsis**, K. J. Kim and K. S. Kwak, "Cooperative WPAN Systems with Partial Best Relay Selection," European Transactions on Telecommunications (currently: Transactions on Emerging Telecommunications Technologies), vol. 23, no. 2, pp. 133-136, March 2012.

[J30] K. J. Kim, Yongzhao Li and **T. A. Tsiftsis**, "On the Performance of Cyclic Prefixed Single-Carrier Cellular Systems in Co-Channel Interference," IEEE Transactions on Vehicular Technology, vol. 60, no. 8, pp. 4035-4040, October 2011.

[J29] K. J. Kim, **T. A. Tsiftsis**, and R. Schober, "Semi-Blind Iterative Receiver for Coded MIMO-OFDM Systems," IEEE Transactions on Vehicular Technology, vol. 60, no. 7, pp. 3156-3168, September 2011.

[J28] T. Hazim, G. K. Karagiannidis, and **T. A. Tsiftsis**, "On the Probability of Early Detection of UWB Positioning Sensor Networks," IET Wireless Sensor Systems, vol.1, no.3, pp.123-128, September 2011.

[J27] K. J. Kim, **T. A. Tsiftsis**, and V. H. Poor, "Power Allocation in Cyclic Prefixed Single-Carrier Relaying Systems," IEEE Transactions on Wireless Communications, vol.10, no.7, pp.2294-2305, July 2011.

[J26] K. J. Kim and **T. A. Tsiftsis**, "On the Performance of Cyclic Prefix-Based Single- Carrier Cooperative Diversity Systems with Best Relay Selection," IEEE Transactions on Wireless Communications, vol. 10, no. 4, pp. 1269-1279, April 2011.

[J25] H. A. Suraweera, **T. A. Tsiftsis**, G. K. Karagiannidis, and A. Nallanathan, "Effect of Feedback Delay on Amplify-and-Forward Relay Networks with Beamforming," IEEE Transactions on Vehicular Technology, vol. 60, no.3, pp. 1265-1271, March 2011.

[J24] T. Q. Duong, G. C. Alexandropoulos, H.-J. Zepernick, and **T. A. Tsiftsis**, "Orthogonal Space-Time Block Codes with CSI-Assisted Amplify-and-Forward Relaying in Corre- lated Nakagami-*m* Fading Channels," IEEE Transactions on Vehicular Technology, vol. 60, no.3, pp. 882-889, March 2011.

[J23] K. J. Kim and **T. A. Tsiftsis**, "Performance Analysis of Cyclically Prefixed Single- Carrier Transmissions with Outdated Opportunistic User Selection," IEEE Signal Processing Letters, vol. 17, no. 10, pp. 847-850, October 2010.

[J22] T. Q. Duong, G. C. Alexandropoulos, **T. A. Tsiftsis**, and H.-J. Zepernick, "Out- age Probability of MIMO AF Relay Networks over Nakagami-*m* Fading Channels," Electronics Letters, vol. 46, no. 17, pp.1229-1231, August 2010.

[J21] K. J. Kim and **T. A. Tsiftsis**, "Performance Analysis of QRD-based Cyclically Prefixed Single-Carrier Transmissions with Opportunistic Scheduling," IEEE Transactions on Vehicular Technology, vol. 60, no.1, pp. 328-333, January 2011.

[J20] N. D. Chatzidiamantis, M. Uysal, **T. A. Tsiftsis**, and G. K. Karagiannidis, "Itera- tive Maximum-Likelihood Sequence Detection for MIMO Optical Wireless Systems," IEEE/OSA Journal of Lightwave Technology, vol. 28, no.7, pp.1064-1070, April1, 2010.

[J19] H. G. Sandalidis, **T. A. Tsiftsis**, and G. K. Karagiannidis, "Optical Wireless Commu- nication Systems with Heterodyne Detection over Turbulence Channels with Pointing Errors," IEEE/OSA Journal of Lightwave Technology, vol. 27, no. 20, pp. 4440 - 4445, February 2009.

[J18] **T. A. Tsiftsis**, H. G. Sandalidis, G. K. Karagiannidis, and M. Uysal, "Optical Wireless Links with Spatial Diversity over Strong Atmospheric Turbulence Channels," IEEE Transactions on Wireless Communications, vol. 8, no. 2, pp. 951 - 957, February 2008.

[J17] H. Nistazakis, **T. A. Tsiftsis**, and G. Tombras, "Performance Analysis of Free- Space Optical Communication Systems over Atmospheric Turbulence Channels," IET- Communications, vol.3, no.8, pp.1402-1409, August 2009.

[J16] A. Lioumpas, G. K. Karagiannidis, **T. A. Tsiftsis**, "Adaptive Generalized Selection Combining (A-GSC) Receivers," IEEE Transactions on Wireless Communications, vol.7, no.12, pp.5214-5219, December2008.

[J15] D. S. Michalopoulos and **T. A. Tsiftsis**, "Performance Analysis of Wireless Multihop Diversity Systems," International Journal of Communications Systems - Wiley, vol. 21, no. 9, pp. 955-969, September 2008.

[J14] **T. A. Tsiftsis**, "Performance of heterodyne wireless optical communication systems over gamma-gamma atmospheric turbulence channels," Electronics Letters, vol. 44, no. 5, pp. 373-375, 28th February 2008.

[J13] H. G. Sandalidis and **T. A. Tsiftsis**, "Outage Probability and Ergodic Capacity of Free-Space Optical Links over Strong Turbulence," Electronics Letters, vol. 44, no. 1, pp. 46-47, 3rd January 2008.

[J12] H. S. Sandalidis, **T. A. Tsiftsis**, G. K. Karagiannidis, and M. Uysal, "BER Performance of FSO Links over Strong Atmospheric Turbulence Channels with Pointing Errors," IEEE Communications Letters, vol. 12, no.1, pp. 44-46, January 2008.

[J11] **T. A. Tsiftsis**, "Performance of Multihop Communications Systems with Cooperative Diversity over Fading Channels," International Journal of Communications Systems - Wiley, vol. 21, no.5, pp. 559-565, 2008.

[J10] P. S. Bithas, N. C. Sagias, **T. A. Tsiftsis**, "Performance Analysis of Dual-Diversity Receivers over Correlated Generalized Gamma Fading Channels," IET Communications (formerly IEE Proceedings Communications), vol. 2, no. 1, pp. 174-178, January 2008.

[J9] D. S. Michalopoulos, G. K. Karagiannidis, **T. A. Tsiftsis**, and R. K. Mallik, "Distributed Transmit Antenna Selection (D-TAS) with MRC and Energy Consumption Constraints," IEEE Transactions on Wireless Communications, vol. 7, no.4, pp.1168- 1173, April 2008.

[J8] N. C. Sagias, G. K. Karagiannidis, P. T. Mathiopoulos, and **T. A. Tsiftsis**, "On the Performance Analysis of Equal Gain Diversity Receivers Over Generalized Gamma Fading Channels," IEEE Transactions on Wireless Communications, vol. 5, no. 10, pp. 2967-2975, October 2006.

[J7] G. K. Karagiannidis, **T. A. Tsiftsis**, and H. S. Sandalidis, "Outage Probability of Relayed Free-Space Optical Communication Systems," Electronics Letters, vol. 42, no. 17, pp. 994-995, August 17 2006.

[J6] **T. A. Tsiftsis**, G. K. Karagiannidis, P. T. Mathiopoulos, and S. A. Kotsopoulos, "Nonregenerative dual-hop cooperative links with selection diversity," Special Issue of the EURASIP Journal on Wireless Communications and Networking in Multiuser Cooperative Diversity for Wireless Networks, Volume 2006.

[J5] G. K. Karagiannidis, N. C. Sagias and **T. A. Tsiftsis**, "Closed-Form Statistics for the Sum of Squared Nakagami-m Variates and Its Applications," IEEE Transactions on Communications, vol. 54, no. 8, pp. 1353-1359, August 2006.

[J4] G. K. Karagiannidis, **T. A. Tsiftsis** and R. K. Mallik, "Bounds for Multihop Relayed Communications in Nakagami-*m* Fading," IEEE Transactions on Communications, vol. 54, no. 1, pp. 18-22, January 2006.

[J3] **T. A. Tsiftsis**, G. K. Karagiannidis, S. A. Kotsopoulos, "Dual-hop Wireless Commu- nications with Combined Gain Relays," IEE Proceedings-Communications, vol. 152, no. 5, October 2005.

[J2] G. K. Karagiannidis, **T. A. Tsiftsis** and N. C. Sagias, "A Closed-Form Upper-Bound for the Distribution of the Weighted Sum of Rayleigh variates," IEEE Communications Letters, vol. 9, no. 7, July 2005.

[J1] **T. A. Tsiftsis**, G. K. Karagiannidis, S. A. Kotsopoulos and F.-N. Pavlidou, "BER Analysis of Collaborative Dual-hop Wireless Transmissions," Electronics Letters, vol. 40, no. 11, pp. 1732-1745, May 2004.

6.4 <u>Ανακοινώσεις σε Διεθνή Επιστημονικά Συνέδρια με Κριτές</u>

[C77] N. Qi, M. Wang, W. Wang, W.-J. Wang, T. A. Tsiftsis, R. Yao, and G. Yang, "Energy Efficient Two-Way Full-duplex UAV Relaying Networks Under Imperfect Channel State Information," VTC2020-Fall, Victoria, BC Canada, 4-7 October, 2020.

[C76] O Omarov, S. Arzykulov, G. Nauryzbayev, and T. A. Tsiftsis, “Hardware-Limited Cooperative SWIPT-enabled NOMA Networks,” CSNDSP 2020, Porto, Portugal, 20-22 July, 2020.

[C75] S. Arzykulov, G. Nauryzbayev, T. A. Tsiftsis, B. Maham, M. S. Hashmi, K. M. Rabie, “Underlay Spectrum Sharing for NOMA Relaying Networks: Outage Analysis,” ICNC' 2020, Big Island, Hawaii, February 17-20, 2020.

[C74] S. Arzykulov, G. Nauryzbayev, B. Maham, T. A. Tsiftsis and K. M. Rabie, “Wireless Powered Cognitive Relay Networks: Outage Analysis,” ICSPCS' 2019, Surfers Paradise, Australia 16-18 December 2019.

[C73] Z. Shi, **T. A. Tsiftsis**, W. Tan, G. Yang, S. Ma, and M.-S. Alouini, “Effective Capacity Analysis for VR-HARQ Systems,” IEEE/CIC International Conference on Communications in China, 11-13 August 2019, Changchun, China.

[C72] N. Miridakis, S. Arzykulov, **T. A. Tsiftsis**, G. Yang and G. Naruyzbayev, “Green CR-NOMA: A New Interweave Energy Harvesting Transmission Scheme for Secondary Access ,” ISWCS 2019, Oulu, Finland, August 27-30, 2019 [*invited paper*].

[C71] R. Yao, Y. Zhang, N. Qi, N. I. Miridakis, and **T. A. Tsiftsis**, and R. Yao, “Ma- chine Learning-Based Antenna Selection in Untrusted Relay Networks,” ICAIBD 2019, Chengdu, China, May 25-28, 2019.

[C70] N. Qi, N. I. Miridakis, **T. A. Tsiftsis**, and R. Yao, “On the Fundamental Queue Analysis for Relay-assisted Two-stage Communication Networks,” IEEE WCNC 2019, Advanced 5G Radio Access Networks Features and Performance Workshop, Marrakech, Morocco, 15-19 April, 2019.

[C69] H. Liu, **T. A. Tsiftsis**, K. J. Kim, K. S. Kwak, and H. V. Poor, “Rate Splitting for Asynchronous Uplink NOMA Systems with Cyclic Prefixed Single Carrier, ”5th Inter- national Workshop on Non-Orthogonal Multiple Access Techniques for 5G (NOMA5G), IEEE ICC, Shanghai, China, May 20-24, 2019.

[C68] K. J. Kim, H. Liu, M. D. Renzo, **T. A. Tsiftsis**, P. V. Orlik, and H. V. Poor, ‘Outage Analysis of Distributed CDD Systems with Mixture Interference ” IEEE ICC, Shanghai, China, May 20-24, 2019.

[C67] H. Wu, Y. Zou, J. Zhu, X. Xue, and **T. A. Tsiftsis**, “Secrecy Performance of Hybrid Satellite-Terrestrial Relay Systems with Hardware Impairments ” IEEE ICC, Shanghai, China, May 20-24, 2019.

[C66] S. Arzykulov, G. Nauryzbayev, **T. A. Tsiftsis**, and M. Abdallah, “Outage Performance of Underlay CR-NOMA Networks ” International Conference on Wireless Communi- cations and Signal Processing (WCSP), Hangzhou, Zhejiang, China, October 18-20, 2018.

[C65] L. Tlebaldiyeva, **T. A. Tsiftsis**, and B. Maham, “Spectrum Sensing Using Improved Energy Detector Under Transceiver Hardware Impairments” IEEE DySPAN 2018, Seoul, Korea, October 22-24, 2018.

[C64] H. Liu, N. I. Miridakis, **T. A. Tsiftsis**, K. J. Kim, and K. S. Kwak, “Coordinated Uplink Transmission for Cooperative NOMA Systems”, IEEE Global Communications Conference, 9-13 December 2018, Abu Dhabi, UAE.

[C63] S. Arzykulov, **T. A. Tsiftsis**, G. Nauryzbayev, and M. Abdallah, "Outage Performance of Underlay CR-NOMA Networks with Detect-and-Forward Relaying", IEEE Global Communications Conference, 9-13 December 2018, Abu Dhabi, UAE.

[C62] L. Tlebaldiyeva and **T. A. Tsiftsis**, "Underlay Cognitive Radio with Imperfect Transceiver Electronics under Nakagami-*m* Fading", 2nd International Conference on Computing and Network Communications (CoCoNet'18), Astana, Kazakhstan, August 2018.[Best Paper Award]

[C61] G. Liu, R. Wang, H. Zhang, W. Kang, **T. A. Tsiftsis**, V. C.M. Leung, "Resource Allocation for Energy-Efficient NOMA Network Based on Super-Modular Game," IEEE ICC 2018 Workshop - 3rd International Workshop on Non-Orthogonal Multiple Access Techniques for 5G.[C60] S. Arzykulov, G. Nauryzbayev, **T. A. Tsiftsis**, and M. Abdallah,"Performance of Cooperative Underlay CR-NOMA Networks over Nakagami-*m* Channels,"IEEE ICC 2018 Workshop - 3rd International Workshop on Non-Orthogonal Multiple Access Techniques for 5G.

[C59] N. I. Miridakis, **T. A. Tsiftsis**, D. D. Vergados, and A. Michalas, "A New Two- Stage Multiuser MIMO Detection Approach with Different Priorities," IEEE ICC 2018 Workshop - 5G Ultra Dense Networks(5G-UDN).

[C58] N. I. Miridakis, **T. A. Tsiftsis**, G. Alexandropoulos, "Energy Efficient Transmission in Underlay Massive MIMO Systems with Probabilistic Guarantees," IEEE ICC 2018 Workshop - IEEE Workshop on Energy Harvesting Wireless Communications.

[C57] J. Ghosh, D. N. K. Jayakody, M. Qaraqe, and **T. A. Tsiftsis**, "Coverage Probability Analytics by Fractional Frequency Reuse Scheme," ITELCON 2017, Istanbul, Turkey.

[C56] A. Basgumus, M. Namdar, and T.A. Tsiftsis, "Broadcast Underlay Cognitive Radio with Dirty Paper Coding over Fading Channels," IEEE ELECO 2017, Bursa, Turkey.

[C55] S. Arzykulov, G. Nauryzbayev, **T. A. Tsiftsis** and M. Abdallah, "On the Capacity of Wireless Powered Cognitive Relay Network with Interference Alignment, IEEE Globecom 2017, Singapore.

[C54] S. Arzykulov, G. Nauryzbayev, **T. A. Tsiftsis** and M. Abdallah, "Error Performance of Wireless Powered Cognitive Relay Networks with Interference Alignment," PIMRC 2017, Montreal, Canada.

[C53] N. Qi, M. Xiao, **T. A. Tsiftsis**, L. Zhang, M. Skoglund, and H. Zhang, "Efficient Network-Coded Relaying Systems with Energy Harvesting and Transferring,"IEEE ICC 2017, Paris.

[C52] J. Bao, Z. Ma, M. Xiao, **T. A. Tsiftsis**, and Z. Zhu, "Performance Analysis of Uplink Sparse Code Multiple Access with Iterative Multiuser Receiver," IEEE ICC 2017, Paris.

[C51] H. Wang, J. Wang, G. Ding, L. Wang, **T. A. Tsiftsis**, and P. K. Sharma, "Resource Al- location for the Energy Harvesting-Powered D2D Communication Underlaying Cellular Networks," IEEE ICC 2017, Paris.

[C50] N. I. Miridakis, M. Xia, and **T. A. Tsiftsis** "Optimal Power Allocation and Active Interference Mitigation for Underlay MIMO Cognitive Systems," IEEE ICC 2017, Paris.

[C49] N. I. Miridakis, **T. A. Tsiftsis**, G. C. Alexandropoulos, and M. Debbah, "Simultaneous Spectrum Sensing and Data Transmission for Multi-User MIMO Cognitive Radio Systems," IEEE GLOBECOM 2016, Washington DC, USA, December 2016.

[C48] G. Nauryzbayev, S. Arzykulov, E. Alsusa, and **T. A. Tsiftsis**, "A Closed-form Solu- tion to Implement Interference Alignment and Cancellation Scheme for the MIMO Three-user X-channel Model," 10th International Conference on Signal Processing and Communication Systems, ICSPCS 2016, Gold Coast, Australia, December 2016.

[C47] G. Nauryzbayev, S. Arzykulov, E. Alsusa, and **T. A. Tsiftsis**, " An Alignment-based Interference Cancellation Scheme for Network-MIMO Systems," 10th International Conference on Signal Processing and Communication Systems, ICSPCS 2016, Gold Coast, Australia, December 2016.

[C46] N. Qi, M. Xiao, **T. A. Tsiftsis**, P. L. Cao, M. Skoglund, and L. Li, "On the Energy Efficiency in Multi–user Multi–relay Coded Network" ICT 2016, Thessaloniki, Greece, May 2016.

[C45] N. I. Miridakis, **T. A. Tsiftsis**, G. C. Alexandropoulos, and M. Debbah, "Energy Efficient Switching between Data Transmission and Energy Harvesting for Cooperative Cognitive Relaying Systems," IEEE ICC 2016, Kuala Lumpur, Malaysia, May 2016.

[C44] H. Liu, J. Chen, G. Ding, **T. A. Tsiftsis**, and Corbett Rowell, "Cooperative Spec- trum Sensing in Energy Harvesting Cognitive Radio Networks with Multi-Antenna Beamforming," IWS 2016, Shanghai, China, March 2016.

[C43] C. G. Tsinos, F. Foukalas, and **T. A. Tsiftsis**, "Resource Allocation for Licensed/Unlicensed Carrier Aggregation MIMO Systems," IEEE WCNC 2016, Doha Qatar, April 2016.

[C42] A. Bagheri, P. C. Sofotasios, **T. A. Tsiftsis**, K. Ho–Van, M. I. Loupis, S. Freear, and

M. Valkama, "Energy Detection Based Spectrum Sensing over Enriched Multipath Fading Channels," IEEE WCNC 2016, Doha Qatar, April 2016.

[C41] A. Bagheri, P. C. Sofotasios, **T. A. Tsiftsis**, A. Shahzadi, S. Freear, and M. Valkama, "Area under ROC Curve of Energy Detection over Generalized Fading Channels," IEEE PIMRC 2015, Hong Kong, China, September 2015.

[C40] C. G. Zogogianni, D. Voglitsis, S. Saridakis, S. P. Syrigos, Stylianos N. P. Papanikolaou,

A. Kyritsis, M. Loupis, **T. A. Tsiftsis**, and E. C. Tatakis, "Investigation of a Waste Heat Recovery System for a more electric ship," 17th Power Electronics and Applications (EPE'15 ECCE-Europe), Geneva, Switzerland, pp.1-10, 8-10 Sept. 2015.

[C39] A. Galanopoulos, **T. A. Tsiftsis**, and F. Foukalas, "Licensed Assisted Access: Key Enabling Functionalities and Initial Results," ISWCS'2015, Brussels, Belgium, June 2015.

[C38] A.-A. A. Boulogeorgos, G. D. Ntouni, D. S. Karas, **T. A. Tsiftsis**, F. Foukalas,

G. K. Karagiannidis, and C. Thomos, "MIMO Link Adaptation with Carrier Aggre- gation in LTE-A Heterogeneous Networks," European Conference on Networks and Communications (EuCNC 2015), Paris, France, June 29/July 2 2015.

[C37] P. K. Sharma, A. Bansal, P. Garg, **T. A. Tsiftsis**, and R. Barrios, "Performance of FSO Links under Exponentiated Weibull Turbulence Fading with Misalignment Errors," IEEE International Conference on Communications (ICC), London, UK, June 2015.

[C36] G. Zhu, C. Zhong, H. A. Suraweera, G. K. Karagiannidis, Z. Zhang, and **T. A. Tsiftsis**, "Wireless Powered Dual-Hop Multiple Antenna Relay Transmission in the Presence of Interference," IEEE International Conference on Communications (ICC), London, UK, June 2015.

[C35] A. Bagheri, P. C. Sofotasios, **T. A. Tsiftsis**, A. Shahzadi, and M. Valkama, "AUC Study of Energy Detection Based Spectrum Sensing over η μ and α μ Fading Channels," IEEE International Conference on Communications (ICC), London, UK, June 2015.

[C34] A. Bagheri, P. C. Sofotasios, **T. A. Tsiftsis**, A. Shahzadi, and M. Valkama "Spectrum Sensing in Generalized Multipath Fading Conditions Using Square-Law Combining," IEEE International Conference on Communications (ICC), London, UK, June 2015.

[C33] G. D. Ntouni, A.-A. A. Boulogeorgos, D. S. Karas, **T. A. Tsiftsis**, F. Foukalas, V. M. Kapinas, and G. K. Karagiannidis, "Inter-band Carrier Aggregation in Heterogeneous Networks: Design and Assessment," ISWCS'2014, Barcelona, Spain, August 2014.

[C32] P. C. Sofotasios, M. Valkama, **T. A. Tsiftsis**, Y. A. Brychkov, S. Freear, and G.

K. Karagiannidis, "Analytic Solutions to a Marcum Q-Function-Based Integral and Application in Energy Detection of Unknown Signals over Multipath Fading Channels," CROWNCOM 2014, 9th International Conference on Cognitive Radio Oriented Wireless Networks, Oulu, Finland.

[C31] T. Q. Duong, T. T. Duy, M. Matthaiou, **T. A. Tsiftsis**, G. K. Karagiannidis, "Cognitive cooperative networks in dual-hop relaying asymmetric fading channels," IEEE Global Communications Conference (GLOBECOM), Atlanta, GA, December 2013.

[C30] P. C. Sofotasios, **T. A. Tsiftsis**, K. H. Van, S. Freear, L. R. Wilhelmsson, M. Valkama, "The κ μ/IG Composite Statistical Distribution in RF and FSO Wireless Channels," IEEE Vehicular Technology Conference (VTC 2013-Fall), Las Vegas, USA, September 2013.

[C29] P. C. Sofotasios, **T. A. Tsiftsis**, M. Ghogho, L. R. Wilhelmsson and M.Valkama, "The η μ/IG Distribution: A Novel Physical Multipath /Shadowing Fading," IEEE International Conference on Communications (ICC), Budapest, Hungary, June 2013.

[C28] F. R. V. Guimaraes, D. B. da Costa, M. Benjillali, **T. A. Tsiftsis**, and G. K. Karagian- nidis, "Best Relay Selection in Cooperative Spectrum Sharing Systems with Multiple Primary Users," IEEE International Conference on Communications (ICC), Budapest, Hungary, June 2013.

[C27] K. J. Kim, T. Q. Duong, **T. A. Tsiftsis**, and V. N. Q.Bao, "Cognitive Multihop Networks in Spectrum Sharing Environment with Multiple Licensed Users," IEEE International Conference on Communications (ICC), Budapest, Hungary, June 2013.

[C26] F. Yang, J. Cheng, and **T. A. Tsiftsis**, "Free-Space Optical Communications with Generalized Pointing Errors," IEEE International Conference on Communications (ICC), Budapest, Hungary, June 2013.

[C25] M. Seyfi, S. Muhaidat, J. Liang and T. A. Tsiftsis, "Noncoherent relay selection for bidirectional cooperative networks," IEEE Globecom 2012 Workshops (GCWkshps), pp.105-110, 3-7 Dec. 2012.

[C24] T. Q. Duong, H. A. Suraweera, **T. A. Tsiftsis**, H.-J.Zepernick, and A. Nallanathan. "OSTBCS in MIMO AF Relay Systems with Keyhole and Correlation Effects," IEEE International Communications Conference (ICC11), Kyoto, Japan, 2011.

[C23] K. J. Kim, **T. A. Tsiftsis** and G. K. Karagiannidis, "Average Spectral Efficiency of Opportunistic QRD-based Cyclic Prefixed Single-Carrier Cooperative Diversity Systems with Power Allocation," IEEE Globecom 2010 - Wireless Communications Symposium, Miami, Florida, 6-10 December 2010.

[C22] Outage Probability of Cyclic Prefixed Single-Carrier Opportunistic Cooperative Di- versity Systems," IEEE International Symposium on Personal (PIMRC 2013), Indoor and Mobile Radio Communications (PIMRC 2010), Istanbul, Turkey, 26-29 September 2010.

[C21] T. Q. Duong, H-J. Zepernick, **T. A. Tsiftsis**, V. N. Q. Bao, "Performance Analysis of Amplify-and-Forward MIMO Relay Networks with Transmit Antenna Selection over Nakagami-*m* Channels," IEEE International Symposium on Personal, Indoor and Mobile Radio Communications (PIMRC 2010), Istanbul, Turkey, 26-29 September 2010.

[C20] **T. A. Tsiftsis**, Z. Hadzi-Velkov, G. K. Karagiannidis, and N. Zlatanov, "Average Relaying Utilization Metrics and Application in Diamond Cooperative Systems," Inter- national Symposium on Wireless Pervasive Computing (IEEE ISWPC), Modena, Italy, 2010.

[C19] D. Trung, H-J. Zepernick, **T. A. Tsiftsis**, V. N. Q. Bao, "Amplify-and-Forward MIMO Relaying with OSTBC over Nakagami-m Fading Channels," IEEE ICC 2010, Cape Town, South Africa.

[C18] H. Suraweera, **T. A. Tsiftsis** and G. K. Karagiannidis, "Effect of Feedback Delay on Downlink Amplify-and-Forward Relaying with Beamforming," IEEE Globecom 2009, Hawaii, USA.

[C17] N. D. Chatzidiamantis, M. Uysal, **T. A. Tsiftsis**, and G. K. Karagiannidis, "EM-Based Maximum-Likelihood Sequence Detection for MIMO Optical Wireless Systems", IEEE ICC'09, Dresden, Germany, June 2009.

[C16] **T. A. Tsiftsis**, H. G. Sandalidis, G. K. Karagiannidis, and M. Uysal, "FSO Links with Spatial Diversity over Strong Atmospheric Turbulence Channels", IEEE International Conference on Communications 2008 (ICC'08), Beijing, China, May 2008.

[C15] D. S. Michalopoulos, G. K. Karagiannidis and **T. A. Tsiftsis**, "Introducing PHY-Layer Fairness in Amplify and Forward Cooperative Diversity Systems," IEEE International Conference on Communications 2007 (ICC'07), 24-27 June 2007, Glasgow, Scotland, U.K.

[C14] P. S. Bithas, N. C. Sagias, **T. A. Tsiftsis**, and G. K. Karagiannidis, "Products and Ratios of Two Gaussian Class Correlated Weibull Random Variables," The 12th International Conference on Applied Stohastic Models and Data Analysis (ASMDA 2007), Chania, Crete, Greece, May 2007.

[C13] P. S. Bithas, N. C. Sagias, **T. A. Tsiftsis**, and G. K. Karagiannidis, "Distributions Involving Correlated Generalized Gamma Variables," The 12th International Conference on Applied Stohastic Models and Data Analysis (ASMDA 2007), Chania, Crete, Greece, May 2007.

[C12] D. S. Michalopoulos, G. K. Karagiannidis, **T. A. Tsiftsis**, and Ranjan K. Mallik, "An Optimized User Selection Method for Cooperative Diversity Systems," IEEE Global Telecommunications Conference (GLOBECOM '06), 28 Nov. - 1 Dec. 2004, San Fransisco, USA.

[C11] **T. A. Tsiftsis**, H. G. Sandalidis, G. K. Karagiannidis and N. C. Sagias, "Multihop Free- Space Optical Communications Over Strong Turbulence Channels," IEEE International Conference on Communications 2006 (ICC'06), 11-15 June 2006, Turkey.

[C10] D. S. Michalopoulos, G. K. Karagiannidis and **T. A. Tsiftsis**, "New Results for Wireless Multihop Diversity Systems," The 12th European Wireless Conference (EW2006), April 2-5, 2006, Athens, Greece.

[C9] L.-C Siafara, D. S. Michalopoulos, **T. A. Tsiftsis** and G. K. Karagiannidis, "Regener- ative Versus Non-Regenerative Relaying in Cooperative Diversity Systems," 15th IST Mobile & Wireless Communications Summit, 4-8 June, 2006, Mykonos, Greece.

[C8] **T. A. Tsiftsis**, G. K. Karagiannidis, N. C. Sagias and S. A. Kotsopoulos, "Perfor- mance of MRC Diversity Receivers Over Correlated Nakagami-m Fading Channels," Communication Systems, Networks and Digital Signal Processing (CSNDSP'06), 19-21 July 2006, Patras Univ. Conference

[C7] **T. A. Tsiftsis**, G. K. Karagiannidis and P. T. Mathiopoulos, "New Results on the Performance Evaluation of the Relay Fading Channel," IEEE Vehicular Technology Conference (VTC S'06), May 2006, Melbourne, Australia.

[C6] N. C. Sagias and G. S. Tombras, G. K. Karagiannidis and **T. A. Tsiftsis**, "Equal-Gain Combining Receivers over Interference-Limited Nakagami-m Fading with Multiple Cochannel Interferers," The 12th National Conference on Communications, (NCC 2006), Indian Institute of Technology, Delhi, India, Jan. 27-29, 2006.

[C5] D. A. Zogas, G. K. Karagiannidis, N. C. Sagias, **T. A. Tsiftsis**, P. T. Mathiopoulos, and S. A. Kotsopoulos, "Dual Hop Wireless Communications over Nakagami Fading," IEEE Vehicular Technology Conference, May 2004, Milan - Italy.

[C4] G. K. Karagiannidis, D. A. Zogas, N. C. Sagias, **T. A. Tsiftsis**, and P. T. Mathiopoulos, "Multihop Communications with Fixed-Gain Relays over Generalized Fading Channels," in Proc. IEEE Global Telecom. Conference (GLOBECOM '04), December 2004, Dallas Texas, USA.

[C3] G. K. Karagiannidis, **T. A. Tsiftsis**, R. K. Mallik, N. C. Sagias, and S. A. Kotsopoulos, "Closed-Form Bounds for Multihop Relayed Communications in Nakagami-m Fading," IEEE International Conference on Communications 2005 (ICC'05), 16-20 May 2005, Seoul, Korea.

[C2] **T. A. Tsiftsis**, G. K. Karagiannidis, and S. A. Kotsopoulos, "Wireless Transmissions with Combined Gain Relays Over Fading Channels," 4th Annual Mediterranean Ad Hoc Networking Workshop, June 21-24, 2005, Île de Porquerolles, France.

[C1] G. K. Karagiannidis, **T. A. Tsiftsis**, and S. A. Kotsopoulos, "Performance of Broadband Multihop Networks with Cooperative Diversity over Fading Channels," 5th International Network Conference (INC 2005), 5 - 7 July, 2005, Island of Samos, Greece.

7. ΕΤΕΡΟΑΝΑΦΟΡΕΣ ΣΤΟ ΔΗΜΟΣΙΕΥΜΕΝΟ ΕΡΓΟ

Οι ετεροαναφορές (citations) που προέκυψαν από σχετική αναζήτηση στις βιβλιογραφικές βάσεις **Scopus** και **Google Scholar**.

Βάση Δεδομένων	Σύνολο Αναφορών	h index
Scopus	**4414**	**29**
Google Scholar	**6100**	**36**