ΗΜΕΡΟΜΗΝΙΑ ΓΕΝΝΗΣΕΩΣ: 11 Μαρτίου 1982
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ΧΡΙΣΤΟΣ ΜΑΣΟΥΡΟΣ **PhD, SMIEEE, MIET**

Καθηγητής πρώτης βαθμίδας, Dept. Electronics & Electrical Engineering,
University College London

Royal Academy of Engineering Research Fellow 2011-2016

ΣΥΝΤΟΜΟ ΒΙΟΓΡΑΦΙΚΟ ΣΗΜΕΙΩΜΑ

Ο **Χρίστος Μασούρος** (SMIEEE, MIET) έλαβε το πτυχίο Ηλεκτρολόγων Μηχανικών και Τεχνολογίας Υπολογιστών από το Πανεπιστήμιο Πατρών, το 2004, και MSc και το Διδακτορικό Ηλεκτρολόγου και Ηλεκτρονικού Μηχανικού από το Πανεπιστήμιο του Μάντσεστερ, Ηνωμένο Βασίλειο το 2006 και 2009 αντίστοιχα. Το 2008 ήταν ερευνητής στα Philips Research Labs του Ηνωμένου Βασιλείου. Μεταξύ 2009-2010 ήταν ερευνητικός συνεργάτης στο Πανεπιστήμιο του Μάντσεστερ και μεταξύ 2010-2012 ερευνητικός συνεργάτης στο Queen's University Belfast. Το 2012 έγινε μέλος ΔΕΠ του University College London ως Λέκτορας. Ήταν κάτοχος της υψηλού κύρους υποτροφίας Royal Academy of Engineering Research Fellowship μεταξύ 2011-2016.

Σήμερα είναι Καθηγητής πρώτης βαθμίδας στο ερευνητικο εργαστήριο Μηχανικών Πληροφορικής και Επικοινωνιών, Τμήμα Ηλεκτρολόγων και Ηλεκτρονικών Μηχανικών, University College London. Τα ερευνητικά του ενδιαφέροντα βρίσκονται στον τομέα των ασύρματων επικοινωνιών και της επεξεργασίας σήματος με ιδιαίτερη έμφαση στις «πράσινες» τηλεπικοινωνίες, τα συστήματα κεραιών μεγάλης κλίμακας, τα γνωστικά ράδια, τις τεχνικές μετριασμού παρεμβολών για MIMO και τις επικοινωνίες πολλαπλών φορέων. Είναι βραβευμένος με τα 2023 IEEE ComSoc Stephen O. Rice Prize, και 2021 IEEE SPS Young Author Best Paper Award και έλαβε τα βραβεία καλύτερης ερευνητικής εργασίας στα συνέδρια IEEE GlobeCom 2015 και IEEE WCNC 2019 και έχει αναγνωριστεί ως Exemplary Editor για τα IEEE Communications Letters και ως Exemplary Reviewer για τις IEEE Transactions on Communications. Είναι Editor για τα IEEE Transactions on Wireless Communications, το IEEE Open Journal of Signal Processing, και Editor-at-Large για IEEE Open Journal of the Communications Society. Διετέλεσε Editor IEEE Transactions on Communications, Associate Editor για IEEE Communications Letters και Guest Editor σε πολλαπλά Special Issues του IEEE Journal on Selected Topics in Signal Processing. Είναι founding member και Vice-Chair του IEEE Emerging Technology Initiative on Integrated Sensing and Communications (ISAC), Vice Chair του IEEE Wireless Communications Technical Committee Special Interest Group on ISAC, και Chair του IEEE Green Communications & Computing Technical Committee, Special Interest Group on Green ISAC. Είναι ο TPC chair του IEEE ICC 2024 Selected Areas in Communications (SAC) Track on ISAC.

ΕΡΕΥΝΗΤΙΚΑ ΕΝΔΙΑΦΕΡΟΝΤΑ

Τα κύρια ερευνητικά μου ενδιαφέροντα αφορούν Ασύρματες Ψηφιακές Τηλεπικοινωνίες και ειδικότερα τεχνικές για την βελτιστοποίηση Ασυρμάτων Κυψελωτών Δικτύων και Δικτύων Αισθητήρων. Αυτές εν γένει περιλαμβάνουν συστήματα Πολλαπλής Εισόδου Πολλαπλής Εξόδου (Multiple Input Multiple Output (MIMO)) καθώς και «πράσινες» ενεργειακά αποδοτικές τηλεπικοινωνίες. Πιο συγκεκριμένα η ερευνά μου επικεντρώνεται σε τεχνικές προκωδικοποίησης για συστήματα 5ης γενιάς (5G and Beyond) και επεξεργασία σήματος στον πομπό τηλεπικοινωνιακών συστημάτων. Ακολουθεί μια περίληψη των ερευνητικών ενδιαφερόντων μου:

Ασύρματες Ψηφιακές Τηλεπικοινωνίες, Συστήματα Πολλαπλής Εισόδου Πολλαπλής Εξόδου (MIMO), Τεχνικές Προκωδικοποίησης, Εκμετάλλευση Εποικοδομητικής Παρεμβολής, «Πράσινες» Τηλεπικοινωνίες, Συστήματα Κεραιών Μεγάλης Κλίμακας, Φασματική Συνύπαρξη Τηλεπικοινωνιών και Ραντάρ, Ασφαλή Τηλεπικοινωνιακά Συστήματα Φυσικού Επιπέδου, Μηχανική Μάθηση με εφαρμογές στις Τηλεπικοινωνίες

ΕΡΕΥΝΗΤΙΚΑ ΠΡΟΓΡΑΜΜΑΤΑ ΚΑΙ ΣΥΝΕΡΓΑΣΙΑ

Ιαν '24 –Δεκ '27
Επιστημονικός Συντονιστής έργου
Scientific Coordinator

Πρόγραμμα από EU - MSCA Doctoral Network — Λονδίνο, ΗΒ
"Integrated Sensing and communications for future vehicuLAr environments – a Network of Doctoral Students [ISLANDS]"
- Συνεργάτες έργου: *CNIT, Chalmers U. Tampere U., American College of Greece, Bosch, Nokia, WaveUp, and RadChat*

Νοε '23 –Οκτ '25
Συντονιστής έργου
Project Coordinator

Πρόγραμμα από EU - MSCA Fellowship — Λονδίνο, ΗΒ
"Connected Sensing Techniques: Cooperative Radar Networks Using Joint Radar and Communication Waveforms (ConSenT)"
- Υποτροφία που απονέμεται στον Δρ Kawon Han

Νοε '23 –Οκτ '25
Συντονιστής έργου
Project Coordinator

Πρόγραμμα από EU - MSCA Fellowship — Λονδίνο, ΗΒ
"Design and performance analysis of network-level ISAC: More than Integration (NetISAC)"
- Υποτροφία που απονέμεται στον Δρ Kaitao Meng
- Συνεργάτες έργου: American College of Greece (GR)

Σεπ '23 –Μαρ '26
Ακαδημαϊκός Επικεφαλής

Πρόγραμμα από Innovate UK – KTP Partnership — Λονδίνο, ΗΒ
"University College London and Plextek Limited KTP 22_23 R8"
- Συνεργάτες έργου: Plextek (UK)

Νοε '22 –Απρ '26
Συν-Ερευνητής
Co- Investigator

Πρόγραμμα από EPSRC — Λονδίνο, ΗΒ
"Transmission Channels Measurements and Communication System Design for Future mm Wave Communications [mmWave TRACCS]"
- Συνεργάτες έργου: *QMUL, U. Durham, BT, Filtronic, NEC, Plextek, QinetiQ, Thales, Sinowave*

Απρ '22 –Μαρ '25
Κύριος ερευνητής και Σύμβουλος
Principal Investigator and Consultant

Ανάθεση έργου από Huawei Corporation — Λονδίνο, ΗΒ
"Integrated Sensing and Communications, multicell transmission and resource allocation"
- Συνεργάτες έργου: Huawei (Sweden)

Δεκ '21 –Μαρ '25
Συν-Ερευνητής
Co- Investigator and Work Package Lead in

Πρόγραμμα από DSTL — Λονδίνο, ΗΒ
"Next generation information networks [NGIN]" -
- Συνεργάτες έργου: *Serapis Defense Network, U. Edinburgh, U. Bristol, Queens U. Belfast, U. Sheffield, Herriot Watt*

Ιουν '21 –Δεκ '21
Κύριος ερευνητής
Principal Investigator

Πρόγραμμα από DASA — Λονδίνο, ΗΒ
"Design and Testing of Low Probability Of Intercept (LPI) Waveforms For Joint Radar And Communications [DASA-LPI]"
- Συνεργάτες έργου: *QinetiQ (UK)*

Νοε '20 –Οκτ '21
Κύριος ερευνητής
Principal Investigator

Πρόγραμμα από EPSRC – D2U — Λονδίνο, ΗΒ
"Testing and Refinement of Dual Communications and Radar Waveforms in Commercially Relevant Environments [DCRW]"
- Συνεργάτες έργου: *QinetiQ (UK), Hunan Apollo Intelligent Transport Co. Ltd (China), American College of Greece* (GR)

Σεπ '20 –Αυγ '21
Σύμβουλος

Ανάθεση έργου από Huawei Corporation — Λονδίνο, ΗΒ
"Enabling Joint Sensing and Communication for MmWave Cellular: Hardware-Constrained Designs"
Συνεργάτες έργου: Huawei (Sweden)

Ιαν '21 –Δεκ '23

Πρόγραμμα από EPSRC — Λονδίνο, ΗΒ

Συν-Ερευνητής
Co- Investigator

*"**Advanced signal generation/detection system for ultra-wideband communication networks**" EPSRC Capital Equipment Grant*
Συνεργάτες έργου: *XTERA, Nokia, KDDI research, Huawei, Lumentum Technology, BT, NEC, Cable Labs, Mitsubishi Electric, Keysight Technologies, Microsoft, Viavi Solutions, Socionext, Micram Microelectronic, Aston U., U. Cambridge, King's College London, U. Southampton, U. Surrey,*

Ιουν '19 –Μαι '22
Συν-Ερευνητής
Co- Investigator

Πρόγραμμα από EPSRC Λονδίνο, ΗΒ
"Signal Sensing, Design and Delivery for Electronic Warfare"
- Συνεργάτες έργου: Imperial College London (UK), Thales (UK), IBM (USA), US Army (USA), Fraunhofer (GE), U. Kansas (USA)

Αυγ '20 –Φεβ' '21
Κύριος ερευνητής
Principal Investigator

Ανάθεση έργου από Huawei Corporation Λονδίνο, ΗΒ
«Enabling Joint Sensing and Communication for MmWave Cellular: Hardware-Constrained Designs»
- Συνεργάτες έργου: Huawei (Κίνα)

Μάιος '20 - Απρίλιος '21
Συν-Ερευνητής
Co- Investigator

Ανάθεση έργου από NECCorporation Λονδίνο, ΗΒ
" Evaluation and analysis of beamforming and spectrally efficient techniques for point-to-point microwave and mm-wave radio"
- Συνεργάτης έργου: NEC (Ιαπωνία)

Οκτ '19 –Ιουν' '20
Κύριος ερευνητής
Principal Investigator

Ανάθεση έργου από Huawei Corporation Λονδίνο, ΗΒ
" MU-MIMO enhancement by Constructive Interference Exploitation Precoding"
- Συνεργάτες έργου: Huawei (Κίνα)

Σεπ '19 -Αυγ '22
Κύριος ερευνητής
Principal Investigator

Πρόγραμμα από EPSRC Λονδίνο, ΗΒ
" Learning to Communicate: Deep Learning based solutions for the Physical Layer of Machine Type Communications [LeanCom]"
- Εταίροι έργου: Huawei (FR), NEC (Ιαπωνία), U. Duke (ΗΠΑ), Digital Catapult (Ηνωμένο Βασίλειο), CommNet2 (Ηνωμένο Βασίλειο)

Σεπ '19 - Δεκ '19
Κύριος ερευνητής
Principal Investigator

Έργο από EPSRC - IAA Λονδίνο, ΗΒ
" Artificial Intelligence for Satellite Communications Interference"
- Εταίροι του έργου: EutelSat, Digital Catapult (Ηνωμένο Βασίλειο)

Ιούνιος '19 - Μάιος '22
Συν-Ερευνητής
Co-Investigator

Έργο από EPSRC Λονδίνο, ΗΒ
«Signal Sensing, Design and Delivery for Electronic Warfare»
- Εταίροι του έργου: Imperial College London (Ηνωμένο Βασίλειο), Thales (Ηνωμένο Βασίλειο), IBM (ΗΠΑ), Στρατός των ΗΠΑ (ΗΠΑ), Fraunhofer (GE), Πανεπιστήμιο του Κάνσας (ΗΠΑ)

Οκτ '18 -Σεπ '22
Συντονιστής έργου
Project Coordinator

Έργο από την ΕΕ - MSCA ITN Λονδίνο, ΗΒ
" energy-autonomous Portable Access points for INfrastructure-LESS networks [PAINLESS]"
- Εταίροι του έργου: *Nokia Bell Labs (IR), Reseiwe (DE), Lyra Electronics (Ηνωμένο Βασίλειο), Orion Technologies (GR), RIO Systems (IL), U. Manchester (UK), Supelec (FR), Athens Information Technology (GR), Aalborg University (DE), Πανεπιστήμιο Κύπρου (CY)*

Απρ '18 –Μαρ '21
Κύριος ερευνητής
Principal Investigator

Έργο από EPSRC Λονδίνο, ΗΒ
" Interference Exploitation for physical layer security in 5G networks [CI-PHY]"
- Εταίροι έργου: Πανεπιστήμιο του Λουξεμβούργου (LU), HUAWEI (Ηνωμένο Βασίλειο), National Instruments (Ηνωμένο Βασίλειο), QinetiQ (Ηνωμένο Βασίλειο), BT (Ηνωμένο Βασίλειο)

Νοε '18 – Οκτ '20

Έργο της ΕΕ - Υποτροφία MSCA Λονδίνο, ΗΒ

Συντονιστής έργου ***Project Coordinator***	***" Combining MIMO Radar with MU-MIMO Communications: More than Coexistence"*** ● Υποτροφία που απονέμεται στον Δρ Fan Liu ● Εταίροι έργου: *Athens Information Technology* (GR)	
Φεβ '18 -Αυγ '19 ***Κύριος ερευνητής*** ***Principal Investigator***	Έργο από EPSRC - D2U ***" Development and testing of a pre-commercialisation prototype of an Electronically Steerable Parasitic Array Radiator (ESPAR) transceiver "*** ● Εταίροι του έργου: Cobham Wireless (Ηνωμένο Βασίλειο), QinetiQ (Ηνωμένο Βασίλειο), *Athens Information Technology* (GR)	Λονδίνο, ΗΒ
Απρ '15 –Μαρ '18 ***Κύριος ερευνητής*** ***Principal Investigator***	Έργο από EPSRC ***«Large Scale Antenna Systems Made Practical: Advanced Signal Processing for Compact Deployments (LSAS-SP)"*** ● Εταίροι του έργου: Πανεπιστήμιο Heriot Watt (Ηνωμένο Βασίλειο), Bell Labs (ΗΠΑ), QinetiQ (Ηνωμένο Βασίλειο), *Athens Information Technology* (GR)	Λονδίνο, ΗΒ
Σεπ '11 - Αυγ '16 ***Κύριος ερευνητής*** ***Principal Investigator***	Έργο από RAEng ***" Interference as a Source of Green Signal Power in Wireless Communications"*** ● υποστήριξη από τα Bell Labs (ΗΠΑ), EURECOM (FR), *Athens Information Technology* (GR)	Λονδίνο, ΗΒ
Μαρ '11 -Αυγ '12 ***Ερευνητικός Συνεργάτης*** ***Research Fellow***	Έργο της ΕΕ FP7 ***" enHanced Interference Alignment Techniques for Unprecedented Spectral efficiency (HIATUS)"*** ● συνεργασία με την Τεχνολογία Πληροφοριών Αθηνών (AIT), Βασιλικό Ινστιτούτο Τεχνολογίας (KTH), Τεχνικό Πανεπιστήμιο Βιέννης (TUV), Univesitat Pompeu Fabria, Supelec, Ericsson	Μπέλφαστ, ΗΒ
Μάιος '10 –Απρ '12 ***Ερευνητικός Συνεργάτης*** ***Research Fellow***	Έργο της ΕΕ FP7 ***" Cognitive Radio Oriented Wireless Networks (CROWN)"*** ● συνεργασία με την *Athens Information Technology* (AIT), EURECOM, Πανεπιστήμιο Τεχνολογίας του Ντάρμσταντ (TUD), Intel Mobile Communications, QuinetiQ, Office of Communications (Ofcom), Ινστιτούτο Έρευνας Inforcomm (I2R) Σιγκαπούρη	Μπέλφαστ, ΗΒ
Φεβ '09 –Απρ '10 ***Ερευνητικός Συνεργάτης*** ***Research Fellow***	Έργο EPSRC ***" Actuated Acoustic Sensor Networks for Industrial Processes (AASN4IP)"*** ● συνεργασία με το Πανεπιστήμιο της Οξφόρδης, Nexia solutions, Phoenix Inspection systems Ltd, Κέντρο Ενεργειακών Ερευνών του Ηνωμένου Βασιλείου	Μάντσεστερ, ΗΒ
Μαρ '07 –Μαρ '09 ***CASE PhD υποτροφία***	Έργο από την EPSRC και τα Ερευνητικά Εργαστήρια της Philips ***" Advanced Interference Mitigation Techniques for Wireless Cellular Systems "***	Μάντσεστερ, ΗΒ

ΕΚΠΑΙΔΕΥΣΗ

DOCTOR OF PHILOSOPHY (PHD) *Οκτ '06 – Μαρ '09*

2 Μαρ '09	University of Manchester, Dept. of Electrical & Electronic Eng. *Εξέταση διδακτορικής διατριβής για την απονομή του διπλώματος PhD in Communications Engineering:* *Επιτυχής με μικρές διορθώσεις (pass with minor corrections)*	Manchester, UK
Σεπ '08	University of Manchester, Dept. of Electrical & Electronic Eng.	Manchester, UK

Τίτλος διδακτορικής διατριβής: ***"Investigation and Analysis of Interference Exploitation in Wireless Communication Systems"***

Οκτ '06 –Μαρ '09 University of Manchester, Dept. of Electrical & Electronic Eng. Manchester, UK

PhD in Communications Engineering

MASTERS BY RESEARCH (MPHIL) *Σεπ '05 – Σεπ '06*

Σεπ '06 University of Manchester, Dept. of Electrical & Electronic Eng. Manchester, UK

Τίτλος διατριβής: ***"Link Enhancement Techniques for Multiuser CDMA Communications"***

Σεπ '05 – Σεπ '06 University of Manchester, Dept. of Electrical & Electronic Eng. Manchester, UK

MPhil in Communications Engineering

Δίπλωμα Ηλεκτρολόγου Μηχανικού *Σεπ '99 – Σεπ '04*

Σεπ '04 Πανεπιστήμιο Πατρών, Τμήμα Ηλεκτρολόγων Μηχανικών και Τεχνολογίας Υπολογιστών Πάτρα, Ελλάδα

Τίτλος διπλωματικής εργασίας: ***"Σχεδιασμός Ψηφιακού Πομπού Ευρέως Φάσματος και Υλοποίηση Δεκτή RAKE με Εκτιμητή Καναλιού"***

Σεπ '99 – Σεπ '04 Πανεπιστήμιο Πατρών, Τμήμα Ηλεκτρολόγων Μηχανικών και Τεχνολογίας Υπολογιστών Πάτρα, Ελλάδα

Δίπλωμα Ηλεκτρολόγου Μηχανικού & Τεχνολογίας Υπολογιστών

- Βαθμός πτυχίου : 7.42
- Μέσος όρος δύο τελευταίων ετών ειδικότητας : 8.46

ΕΠΑΓΓΕΛΜΑΤΙΚΗ ΕΜΠΕΙΡΙΑ

Οκτ '19 - Παρόν
Καθηγητής Πρώτης Βαθμίδας

University College London Λονδίνο, ΗΒ

Ομάδα Μηχανικών Πληροφοριών και Επικοινωνιών

- Διευθυντής του MSc σε ασύρματες και οπτικές επικοινωνίες
- Διευθυντής του MSc για τη Μηχανική Διαστημικής Επιστήμης
- Διδασκαλία:
  - ELECGT24, Ευρυζωνικές Τεχνολογίες και Στοιχεία (MSc)
  - ELECGT22, Αρχές Ασύρματης Επικοινωνίας (MSc)
  - ELECM013, Επεξεργασία Ψηφιακού Σήματος(3ο Έτος UG, MEng)
  - 1ο Έτος UG Δάσκαλος

Οκτ '17 -Σεπ '19
Αναπληρωτής Καθηγητής

University College London Λονδίνο, ΗΒ

Ομάδα Επικοινωνιών και Πληροφοριακών Συστημάτων

- Διευθυντής του MSc σε ασύρματες και οπτικές επικοινωνίες
- Διευθυντής του MSc για τη Μηχανική Διαστημικής Επιστήμης
- Διδασκαλία:
  - ELECGT24, Ευρυζωνικές Τεχνολογίες και Στοιχεία (MSc)
  - ELECGT22, Αρχές Ασύρματης Επικοινωνίας (MSc)
  - ELECM013, Επεξεργασία Ψηφιακού Σήματος(3ο Έτος UG, MEng)
  - 1ο Έτος UG Δάσκαλος

Οκτ '16 -Σεπ' 17
Επίκουρος

University College London Λονδίνο, ΗΒ

Ομάδα Επικοινωνιών και Πληροφοριακών Συστημάτων

- Διευθυντής του MSc για τη Μηχανική Διαστημικής Επιστήμης

- Διδασκαλία:
  - ELECGT24, Ευρυζωνικές Τεχνολογίες και Στοιχεία (MSc)
  - ELECGT22, Αρχές Ασύρματης Επικοινωνίας (MSc)
  - ELECM013, Επεξεργασία Ψηφιακού Σήματος(3ο Έτος UG, MEng)
  - 1ο Έτος UG Δάσκαλος

Σεπ '12 -Σεπ '16
Λέκτορας

University College London — Λονδίνο, ΗΒ

Ομάδα Επικοινωνιών και Πληροφοριακών Συστημάτων

- Διδασκαλία:
  - ELECGT24, Ευρυζωνικές Τεχνολογίες και Στοιχεία (MSc)
  - ELECGT22, Αρχές Ασύρματης Επικοινωνίας (MSc)
  - ELECM013, Επεξεργασία Ψηφιακού Σήματος(3ο Έτος UG, MEng)
  - 1ο Έτος UG Δάσκαλος

Μάιος '10 - Αυγ '12
Ερευνητής

Queen's University Belfast — Μπέλφαστ, ΗΒ

"enHanced Interference Alignment Techniques for Unprecedented Spectral efficiency (HIATUS)"

- *Πρόγραμμα τύπου FET-Open υπό την Ευρωπαϊκή Ενωση - FP7*
- *Εκπόνηση έρευνας σε τεχνικές εκπομπής/λήψης, ανίχνευσης και διαχείρηση φάσματος για δίκτυα γνωστικών ραδίων*
- *Ενεργή συμμετοχή στην καθοδήγηση των 8 διδακτορικών και Μεταπτυχιακών φοιτητών της ερευνητικής ομάδας*
- *Συντονισμός της συγγραφής της ετήσιας επιστημονικής έκθεσης προς την Ευρωπαϊκή Επιτροπή*

Φεβ '09 –Απρ '10
Ερευνητικός Συνεργάτης

Πανεπιστήμιο του Μάντσεστερ, — Μάντσεστερ, ΗΒ

Actuated Acoustic Sensor Networks for Industrial Processes (AASN4IP)

- Στο πλαίσιο του προγράμματος EPSRC *Wired και Wireless Intelligent Networked Systems* (WINES) III για την ανάληψη έρευνας σε ασύρματα δίκτυα αισθητήρων για βιομηχανικές διεργασίες
- Διεξαγωγή έρευνας και παραγωγή δημοσιεύσεων σχετικά με τα στρώματα PHY και MAC των ακουστικών ασύρματων δικτύων αισθητήρων
- Συμμετέχουν ενεργά στην καθοδήγηση και καθοδήγηση των δύο διδακτορικών φοιτητών στο πλαίσιο του έργου και φοιτητές MSc που εργάζονται σε συναφή έργα

Απρ 08' – 08 Ιουνίου'
Intern έρευνας

Ερευνητικά Εργαστήρια της Philips, — Redhill, ΗΒ

- Ερευνητική επίσκεψη (Πρακτική άσκηση) για συνεργασία με τα ερευνητικά εργαστήρια της Philips για μια περίοδο 6 εβδομάδων για να εργαστεί σε αλγορίθμους ασύρματων επικοινωνιών με βάση τη μακροπρόθεσμη εξέλιξη (LTE) των προτύπων 3GPP
- Συμμετοχή σε συναντήσεις, παρουσιάσεις, καταιγισμού ιδεών και συνεδρίες εκμάθησης LTE στο πλαίσιο της Ερευνητικής Ομάδας της Philips για τις Ασύρματες Επικοινωνίες

ΑΚΑΔΗΜΑΪΚΗ ΕΜΠΕΙΡΙΑ

ΔΙΔΑΣΚΑΛΙΑ — Σεπ '12 – Παρόν

Οκτ '12 - Σήμερα

University College London — London, UK

- ELEC0108, Broadband Technologies and Components (MSc)
- ELEC0104, Wireless Communications Principles (MSc)
- ELEC0024, Digital Signal Processing (3rd Year UG)
- ELECM013, Digital Signal Processing (4th Year MEng)
- Professional Development Module (MSc)

CONFERENCE TUTORIALS

Ιουν' 23 IEEE Vehicular Technology Conference, VTC 2023 - Florence, IT
C. Masouros, "*Signals and Waveforms for Sustainable Multifunctional 6G Networks and Beyond*"

Ιουν' 23 IEEE BalcanCom 2023 - Istanbul, TU
C. Masouros, "*Sustainable and Multifunctional Wireless Networks for 6G and Beyond*"

Ιουν' 23 IEEE International Conference on Communications, ICC 2023 - Rome, IT
F. Liu, **C. Masouros,** Y. Eldar *"Interplay between Sensing and Communications: Fundamental Limits, Signal Processing, and Prototyping"*

Ιουν' 23 IEEE International Conference on Communications, ICC 2023 - Rome, IT
D. Slock, T. Ratnarajah, C. Papadias, **C. Masouros,** "*Spectrum Sharing and Coexistence towards Integrated Sensing and Communications*"

Δεκ' 22 IEEE Global Communications Conference, GLOBECOM 2022 - Rio De Janeiro, BR
F. Liu, **C. Masouros**, Y. Eldar "*Interplay between Sensing and Communications: Fundamental Limits, Signal Processing, and Prototyping*"

Μαι' 22 IEEE International Conference on Communications, ICC 2022 - South Korea, KO
F. Liu, **C. Masouros**, A. Zhang, "*The Multifunctional Network of 6G and Beyond: Fundamentals of Integrating Communications and Sensing*"

Δεκ' 21 IEEE Global Communications Conference, GLOBECOM 2021 - Madrid, ES
F. Liu, **C. Masouros,** "*Integrated Sensing and Communication (ISAC) for 6G: From Theory to Applications*"

Σεπ' 21 IEEE International Workshop On Signal Processing Advances In Wireless Communications, SPAWC 2021 - Lucca, IT
F. Liu, **C. Masouros,** "*Integrated Sensing and Communication (ISAC) for 6G*"

Ιουν' 21 IEEE International Conference on Communications, ICC 2021 - Montreal, CA
C. Masouros, A. Li, L. Swindlehurst "*Interference Exploitation through Symbol Level Precoding: Energy Efficient Transmission for 6G and Beyond*"

Σεπ' 20 IEEE International Symposium on Personal, Indoor and Mobile Radio Communications, PIMRC 2020 - London, UK
F. Liu, **C. Masouros,** "*Joint Radar-Communication Transmission for 5G and Beyond – Applications, State-of-the-art and the Road Ahead*"

ΚΕΝΤΡΙΚΟΣ ΟΜΙΛΗΤΗΣ (KEYNOTE TALKS)

Oct 23 EAI CollaborateCom 2023 — Corfu, GR
"*Collaboration of Functions in Wireless Networks: Communication meets Sensing*"

Jun 23 IEEE VTC 2023 — Florence, IT
"*Integrated Sensing and Communications: It was Meant to Be!*"

Mar 23 IEEE WCNC 2023 – 5th Workshop on Integrated Sensing (Radar) and Communications: The New Frontier — Glasgow, UK
"*Integrated Sensing and Communications: Security Challenges and Opportunities*"

May 22 IEEE ICC 2022 – Workshop on Integrated Sensing and Communications — Seoul, KO

“*The Multi-functional Wireless Network of 6G and Beyond: New Signalling, Synergies and Trade-offs”*

Apr 22 IEEE WCNC 2022 – Workshop on Integrated Sensing and Communications Austin, US
“Towards Dual-Functional Sensing and Communication Networks: Opportunities, Challenges and Trade-offs”

Mar 22 IEEE Symposium on Joint Communications and Sensing (JC&S) 2022 Innsbruck, AU
“*Integrated Sensing and Communications: Signalling, Applications and Trade-offs”*

Nov 21 Dstl’s Operating in the Future Electromagnetic Environment (OFEME) Symposium London, UK
“*Integrating Sensing and Communications to Address the Electromagnetic Spectrum Congestion”*

ΠΡΟΣΚΕΚΛΗΜΕΝΑ ΣΕΜΙΝΑΡΙΑ *Sep ’06 – July ’07, Feb – May ‘11*

Αυγ 23 China Institute of Communications – Workshop on AI/ML in 5G Online
Προσκεκλημένο σεμινάριο *“Sustainability and Multifunctionality in Wireless Networks: How Machine Learning Can Help”*

Ιουλ 23 Workshop on Non-Terrestrial Networks Online
Προσκεκλημένο σεμινάριο *“Sustainable Global Connectivity and the Role of NTNs: Lessons from EU Project PAINLESS”*

Ιουν 23 IEEE SPS Webinar Online
Προσκεκλημένο σεμινάριο *“Recent Advances in Integrated Sensing and Communications: Fundamental Limits, Signal Processing, and Prototyping”*

Ιουν 23 ICC 2023 Industrial Panel “6G Integrated Sensing and Communication, ISAC - From Theory To Practice” Rome, IT
Προσκεκλημένο σεμινάριο *“Integrating Sensing and Communications? Not until it is Secure to do so”*

Ιουν 23 ICC 2023 Technical Panel “Non-Terrestrial Networks for Global Sustainable Connectivity” Rome, IT
Προσκεκλημένο σεμινάριο *“Net Zero Emissions Wireless Networks”*

Μαι 23 The ITU AI for Good Forum – AI/ML in 5G Seminar Series Online
Προσκεκλημένο σεμινάριο *“Sustainable and Multifunctional Wireless Networks: The Role of ML”*

Μαι 23 Πανεπιστήμιο Πελοποννήσου Πάτρα, ΕΛ
Προσκεκλημένο σεμινάριο *“Wireless Networks for 6G and Beyond: More Than Just Communications”*

Μαρ 23 Huawei Workshop on Future Wireless Communication Technologies and their Challenges Munich, DE
Προσκεκλημένο σεμινάριο *“Integrated Sensing and Communications: Signalling, Applications and Trade-offs”*

Φεβ 23 The IET London, UK
Προσκεκλημένο σεμινάριο *“Wireless Networks for 6G and Beyond: More Than Just Communications”*

Φεβ 23 Centre of Excellence on Next Generation Communication and Networking (CNGCN) - Dept. of ECE at LNMIIT, Jaipur, India Online
Προσκεκλημένο σεμινάριο *“Integrated Sensing and Communications: Toward Dual-Functional Wireless Networks for 6G and Beyond”*

Νοε 22 Huawei High Frequency Technologies Workshop 2022 Milan, IT

Προσκεκλημένο σεμινάριο *“Securing the Integrated Sensing-Communication Network”*

Νοε 22 Webinar series of IEEE ComSoc Special Interest group on Rate Splitting Multiple Access Online
Προσκεκλημένο σεμινάριο “*Rate Splitting Multiple Access: Security, Practicality and Emerging Applications”*

Νοε 22 NYU Abu Dhabi IEEE 6G Summit Abu Dhabi, UAE
Προσκεκλημένο σεμινάριο “*Securing the Integrated Sensing-Communication Network”*

Νοε 22 NYU Abu Dhabi IEEE 6G Training School Abu Dhabi, UAE
Προσκεκλημένο σεμινάριο “*The Multi-functional Wireless Network of 6G and Beyond: Signalling, Function Synergies and Trade-offs”*

Οκτ 22 ISAC half-day workshop in conjunction with the IET/IEEE Radar conference 2022 Edinburgh, UK
Προσκεκλημένο σεμινάριο “*Securing the Integrated Sensing-Communication Network”*

Σεπ 22 Huawei Strategy & Technology Workshop 2022 Online
Προσκεκλημένο σεμινάριο *Securing the Integrated Sensing-Communication Network”*

Σεπ 22 EuMW workshop “Integrated Sensing and Communication (ISAC) in 6G” Milan, IT
Προσκεκλημένο σεμινάριο “*The Multi-functional Wireless Network of 6G and Beyond: New Signalling, Synergies and Trade-offs”*

Σεπ 22 Electromagnetic Systems Special Interest Group (EMSIG) annual workshop London, UK
Προσκεκλημένο σεμινάριο “*The Integration of Sensing and Communications: Decongesting the Spectrum, and Beyond”*

Ιουλ 22 International workshop on Signal and Information Intelligent Learning and Processing (SIILP) Online
Προσκεκλημένο σεμινάριο “*The Integration of Sensing and Communications: It was Meant to Be!*”

Ιουλ 22 2022 IEEE International Conference on Signal Processing and Communication (SPCOM), Indian Institute of Science (IISc), Bangalore, IN
Προσκεκλημένο σεμινάριο “*Integrated Sensing and Communications: Signalling, Applications and Trade-offs”*,

Ιουν 22 Signal Processing Society seminar on the Young Author Best Paper Award 2022 Online
Προσκεκλημένο σεμινάριο “*Toward Dual-functional Radar-Communication Systems: Optimal Waveform Design”*,

Μαι’ 22 PAINLESS Ph.D. school on “Next generation networks” Αθήνα, ΕΛ
Προσκεκλημένο σεμινάριο “*The Integration of Sensing and Communications: It was Meant to Be!*”

Απρ’ 22 DigiCosme Ph.D. school “Emerging and Future Communication Networks: Technologies, Architectures, and Tools” Paris, FR
Προσκεκλημένο σεμινάριο “*Integrated Sensing and Communications for Future Wireless Networks*”

Απρ’ 22 European Microwave Week 2021, 5G&Beyond Forum London, UK
Προσκεκλημένο σεμινάριο “*Integrating Communications, Sensing and Intelligence for 6G and Beyond*”

Φεβ’ 22 Xi’an Jiaotong University Virtual
Προσκεκλημένο σεμινάριο “*Integrating Communications, Sensing and Intelligence for 6G and Beyond*”

Ιαν' 22 IEEE Emerging Technology Initiative on Integrated Sensing and Communications Virtual

Προσκεκλημένο σεμινάριο "*Wireless Networks Beyond Just Communications: Integrating Communications, Sensing and Security*"

Ιαν 22 University of Munich workshop ``Integrated sensing and communication: information theoretic limits and signal processing techniques" Virtual

Προσκεκλημένο σεμινάριο "*Joint signaling design for Integrated Sensing and Communications"*

Ιαν 22 Alan Turing Institute workshop on Machine Learning for Communications Virtual

Προσκεκλημένο σεμινάριο "*Learning-based design for the physical layer of wireless communication systems"*

Δεκ 21 IEEE Globecom 2021 Industry Panel on "5G and beyond - The Perspective of European Research Projects" Madrid, ES

Προσκεκλημένο σεμινάριο "*energy-autonomous Portable Access points for INfrastructure-LESS networks"*

Οκτ 21 MediaTek industrial tutorial Virtual

Προσκεκλημένο σεμινάριο "*6G technologies for Communications, Sensing and Intelligence*"

Σεπ 21 The ITU AI for Good Forum / Challenge on AI and Machine Learning in 5G Virtual

Προσκεκλημένο σεμινάριο "*Learning to communicate (LeanCom): Deep learning based solutions for the physical layer of communications*"

Σεπ 21 Huawei's workshop "Future of Wireless" 2021 Virtual

Προσκεκλημένο σεμινάριο "*Integrated Sensing and Communications: Towards a Multi-Functional Wireless Network*"

Μαι 21 UK Department for Digital, Culture, Media & Sport (DCMS) / Spectrum Policy Workshop "6G: Technology Enablers for Spectrum & Energy Efficient Wireless Access" Virtual

Προσκεκλημένο σεμινάριο "*Learning to Communicate*"

Νοε' 20 UDRC Themed Meeting on Signal Processing for the Electromagnetic Environment Imperial College London, UK

Προσκεκλημένο σεμινάριο στο UDRC Consortium, entitled "*Dual Functional Transmission for Radar and Communications"*

Φεβ 19 IDEALondon Themed event open to the public "5G, How To Make The Next-Gen Network Work For You" London, UK

Προσκεκλημένο σεμινάριο στο κοινό, entitled "*Connectivity for 5G Networks and Beyond"*

Νοε' 18 QUB-CommNet2 Workshop: Research Advances in RF through mmWave Radio Communications Technologies Belfast, UK

Προσκεκλημένο σεμινάριο στο εργαστήριο QUB-CommNet, με τίτλο «*Large scale antenna systems made practical: advanced signal processing for compact deployments*»

Οκτ' 18 CSIIS CONSORTIUM ΕΤΗΣΙΟ ΣΥΝΕΔΡΙΟ Μπρίστολ, ΗΒ

Προσκεκλημένο σεμινάριο στην κοινοπραξία CSIIS, με τίτλο «*Communications and Radar Transmission: Beyond Coexistence"*

Μαρ' 18 IRACON COST action – Instituto de Telecomunicações and Universidade da Beira Interior Lisbon, PT

Προσκεκλημένο σεμινάριο στη σχολή κατάρτισης δράσης «IRACON» COST, με τίτλο «*Interference exploitation and applications to hybrid analogue-digital precoding"*

Οκτ' 17 Πανεπιστήμιο Queen Mary Λονδίνο, ΗΒ

Προσκεκλημένο σεμινάριο στην Ερευνητική Ομάδα Επικοινωνιών, με τίτλο " *Exploiting Wireless Interference with Symbol-Level Optimization-Based Precoding""*

Σεπ' 17 WIRELESS-5G Καινοτόμο Δίκτυο Κατάρτισης - Κέντρο Εθνικό de la Recherche Scientifique Παρίσι, FR

Προσκεκλημένο σεμινάριο στο καινοτόμο εκπαιδευτικό δίκτυο Marie Curie της ΕΕ «Wireless5G», με τίτλο «*Interference awareness & exploitation for multi-user communications"*

Απρ' 17 Technische Universitat Darmstadt Darmstadt, DE

Προσκεκλημένο σεμινάριο στην Ερευνητική Ομάδα Συστημάτων Επικοινωνίας, με τίτλο «*Exploiting Wireless Interference with Symbol-Level Optimization-Based Precoding""*

Μάιος' 15 Πανεπιστήμιο του Εδιμβούργου Εδιμβούργο, ΗΒ

Προσκεκλημένο σεμινάριο στην ερευνητική ομάδα IDCOM, με τίτλο " *Downlink Precoding Designs and Optimisation of Constructive Interference"*

Μαρ' 14 Πανεπιστήμιο του Λουξεμβούργου Luxemburg, LU

Προσκεκλημένο σεμινάριο στην Ομάδα Δορυφορικής Έρευνας, με τίτλο «*Exploiting Wireless Interference with Linear and Non-Linear Precoding""*

Μαρ' 13 NOKIA Bell Labs Δουβλίνο, IE

Προσκεκλημένο σεμινάριο στις ερευνητικές ομάδες RF, μικρών κυττάρων και δικτύων αισθητήρων, με τίτλο «*Energy Efficient Downlink Transmission By Interference Exploitation "*

Οκτ '11 Queen's University Belfast Μπέλφαστ, UK

Προσκεκλημένο σεμινάριο στην Ερευνητική Ομάδα Υψηλής Συχνότητας, με τίτλο " *Linear Precoding for MIMO Systems and Interference Exploitation "*, που προορίζονται για διδακτορικούς φοιτητές και RAs

Απρ '10 Πανεπιστήμιο του Μάντσεστερ, Τμήμα Ηλεκτρικής & Ηλεκτρονικής Eng. Μάντσεστερ, ΗΒ

Προσκεκλημένο σεμινάριο στο IEEE UK Student Branch με τίτλο " *Acoustic Underwater Communications and Positioning in Confined and Cluttered Environments* ", που προορίζονται για MSc και νωρίς διδακτορικό φοιτητές

Μάιος '09 Πανεπιστήμιο του Μάντσεστερ, Τμήμα Ηλεκτρικής & Ηλεκτρονικής Eng. Μάντσεστερ, ΗΒ

Προσκεκλημένο σεμινάριο στο IEEE UK Student Branch, με τίτλο " *Linear Precoding and Interference Exploitation in Wireless Communications Systems* ", που προορίζονται για MSc και τους πρώτους διδακτορικούς φοιτητές

ΒΟΗΘΟΣ ΔΙΔΑΚΤΙΚΟΥ ΕΡΓΟΥ Sep '06 – July '07, Feb – May '11

Φεβ '11 Queen's University Belfast Belfast, UK

- Διεξαγωγή φροντιστηριακών διαλέξεων για το μάθημα 1^{ου} έτους ***Electrical Circuits I**** για τα τμήματα Χημικών Μηχανικών και Μηχανολόγων Μηχανικών
- Επίλυση και επεξήγηση φροντιστηριακών ασκπήσεων για ακροατήριο 30-40 φοιτητών

Φεβ '07 University of Manchester, Dept. of Electrical & Electronic Eng. Manchester, UK

- Βοηθός ομάδων 3-5 προπτυχιακών φοιτητών σε εργαστηριακές ασκήσεις για το εργαστήριο ***Communication Principles***
- Βαθμολόγηση των αναφορών των φοιτητών, σχετικά με τις εργαστηριακές ασκήσεις

Νοε '06 University of Manchester, Dept. of Electrical & Electronic Eng. Manchester, UK

- Βοηθός ομάδων 3-5 προπτυχιακών φοιτητών σε εργαστηριακές ασκήσεις για το εργαστήριο ***Digital Communications***
- Βαθμολόγηση των αναφορών των φοιτητών, σχετικά με τις εργαστηριακές ασκήσεις

ΕΠΙΒΛΕΨΗ ΕΡΕΥΝΗΤΩΝ Σεπ '06 – Σήμερα *Παρούσα Ομάδα: 6 Μεταδιδακτορικοί, 5 Διδακτορικοί*

Επίβλεψη Μεταδιδακτορικών Ερευνητών

Nov '23 – Σήμερα	*Επιβλέπων του Μεταδιδακτορικού Ερευνητή* Kawon Han, στο πλαίσιο του έργου MSCA-IF ConSenT
Jul '23 – Σήμερα	*Επιβλέπων του Μεταδιδακτορικού Ερευνητή* Kaitao Meng, στο πλαίσιο του έργου MSCA-IF NetISAC
Sep '22 – Σήμερα	*Επιβλέπων του Μεταδιδακτορικού Ερευνητή* Nithin Babu, στο πλαίσιο του έργου EPSRC LeanCom
Dec '21 – Σήμερα	*Επιβλέπων του Μεταδιδακτορικού Ερευνητή* Murat Temiz, στο πλαίσιο του έργου DSTL LPI-DFRC
Ιαν '20 – Νοε 21	*Επιβλέπων του Μεταδιδακτορικού Ερευνητή* Aryan Kaushik, στο πλαίσιο του έργου EPSRC-UDRC SD-EW
Δεκ '19 – Απρ 22	*Επιβλέπων του Μεταδιδακτορικού Ερευνητή* Jianjun Zhang, στο πλαίσιο του έργου EPSRC LeanCom
Νοε '19 – Απρ 22	*Επιβλέπων της Μεταδιδακτορικού Ερευνητή* Xiaoyan Hu, στο πλαίσιο του έργου EPSRC LeanCom
Νοε '18 – Δεκ '20	*Επιβλέπων του Μεταδιδακτορικού Ερευνητή* Fan Liu, στο πλαίσιο του έργου MC-IF COM-RAD
Απρ '18 – Ιουν '22	*Επιβλέπων του Μεταδιδακτορικού Ερευνητή* Abdelhamid Salem, στο πλαίσιο του έργου EPSRC CI-PHY
Απρ '18 – Απρ '21	*Επιβλέπων του Μεταδιδακτορικού Ερευνητή* Zhongxiang Wei, στο πλαίσιο του έργου EPSRC CI-PHY
Ιαν '18 - Αυγ '19	*Επιβλέπων του Μεταδιδακτορικού Ερευνητή* Tongyang Xu, στο πλαίσιο των έργων EPSRC-IAA ESPAR και AIforSatCom
Ιουν '16 - Μάιος '18	*Επιβλέπων του Μεταδιδακτορικού Ερευνητή* Mohammad Ruhul Khandaker, στο πλαίσιο του έργου EPSRC LSAS-SP - τώρα επίκουρος καθηγητής με το πανεπιστήμιο Heriot Watt, UK
Απρ' 15 – Ιουν '16	*Επιβλέπων του Μεταδιδακτορικού Ερευνητή* Ka Lung Law, στο πλαίσιο του έργου EPSRC LSAS-SP - τώρα με SenseTime Shang-Hai, Κίνα

Επίβλεψη PhD –MSc

Jun' 23 - Σήμερα	*Επιβλέπων Διδακτορικού* για Jiang Lai
Nov' 22 – Oct' 23	*Επιβλέπων Διδακτορικού επισκέπτη* για Jiaqi Zou
Σεπ' 19 - Σήμερα	*Επιβλέπων Διδακτορικού* για Iman Valliulahi, στο πλαίσιο του έργου MSCA-ITN PAINLESS
Ιούλ 19 - Σήμερα	*Επιβλέπων Διδακτορικού* για Xiaoye Jing, στο πλαίσιο του έργου MSCA-ITN PAINLESS
Σεπ' 18 – Απρ 23	*Επιβλέπων Διδακτορικού* για Nanchi Su
Ιούνιος' 18 – Σεπ 22	*Επιβλέπων Διδακτορικού* για τον Mohammad Abdullahi
Απρίλ 17 - Δεκ 21	*Επιβλέπων Διδακτορικού* για τον Jun Qian
Ιαν 16 – Ιούλ 19	*Επιβλέπων Διδακτορικού* για τον Δρ Mahmood Kabir
Ιαν 18 – Ιουν' 19	*Επιβλέπων Διδακτορικού* για τον Jingcong Sun, τώρα με τη Huawei Technologies Shang-Hai
Σεπ 14 – Μαρ' 18	*Επιβλέπων Διδακτορικού* για Δρ Ang Li, τώρα Καθηγητής στο Πανεπιστήμιο Xi'an, Κίνα
Οκτ' 16 – Απρ' 18	*Επιβλέπων Διδακτορικού* για τον Δρ Fan Liu (επισκέπτης διδακτορικός φοιτητής)
Φεβ 13 – Ιαν' 17	*Επιβλέπων Διδακτορικού* για Δρ Pierluigi Amadori, τώρα με το Imperial College London, UK
Ιαν 13 – Ιούν 16	*Επιβλέπων Διδακτορικού* για το Δρ Adrian Garcia, τώρα με τα Nokia Bell Labs της Nokia, Δουβλίνο, Ιρλανδία
Φεβ 17 – Μαι 17	*Επιβλέπων Διδακτορικού* για την Έλενα Αλέξι (επίσκεψη ασκούμενου έρευνας), τώρα με ofcom

Ιαν 13 – Σήμερα	*Δεύτερος διδακτορικός επιβλέπων* για Tongyang Xu, Jure Sokolic, Ijeoma Anarado
Ιαν 13 – Σήμερα	*Επίβλεψη MSc*: 27 MSc έργα μέχρι σήμερα (3 εξ' αυτών έλαβαν το Βραβείο Κοσμήτορα UCL το 2013, 2016 και 2017)

PhD - MSc Καθοδήγηση

Sep'06 - Δεκ' 12 Παράλληλα με την έρευνά μου, καθοδηγούσα στενά:

- *6 διδακτορικούς φοιτητές* (Dr Morteza Razawi, Dr Haichuan Zhou, Dr. Faheem Khan, Dr. George Spyridakis, Dr. Ahmed El Kalagy, Dr. Antonis Phasouliotis) για την έρευνα, τη βιβλιογραφική τους ανασκόπηση και τον συνολικό ερευνητικό σχεδιασμό καθ' όλη τη διάρκεια της εργασίας τους,
- *5 φοιτητές MSc* (κα Shalini Bolouk, ο κ. Mahmood Obidalla, ο κ. Jonathan Serugunda, ο κ. Gaspard Teguia, ο κ. Παντελής Αγαθαντζής) για τις διατριβές τους, στα ασύρματα συστήματα επικοινωνίας.

ΕΞΕΤΑΣΗ ΔΙΔΑΚΤΟΡΙΚΩΝ   Sep '13 – Παρόν

Εσωτερικός εξεταστής:
UCL - 10 viva εξετάσεις

Dr. Colin Horne,
Dr. Hedaia Ghannam,
Dr. Ahmed Wasfi Mohammed,
Dr. Khaled Abdulrahman O Aljaloud
Dr. Meng-Yang Chen,
Dr. Raoul Guiazon
Dr. Jover Segura,
Dr. Mohammad Anam,
Dr. Santosh Kawade,
Dr. Yu Chen

Εξωτερικός εξεταστής:
24 viva εξετάσεις

Queen Mary University London (Dr. Ruikang Zhong)
Imperial College London (Dr. Longfei Yin)
King's College London (Dr. Yuanjian Li)
Queen's University Belfast (Dr. Jonathan Browning)
Tempere University (Dr. Carlos Baquero Barneto)
IIT Delhi (Dr. Kamal Biswas)
University of Luxembourg (Dr. Abderrahmane Mayouche)
King's College London (Dr. Ghizlane Mountaser),
National University of Sciences and Technology, Pakistan (Dr. Faisal Akram),
University of Sydney, Australia (Dr. Deyou Zhang)
National University of Sciences and Technology, Pakistan (Dr. M Haroon Siddiui),
University of Surrey (Dr. Chathura Jayawardena)
Technical University Darmstadt (Dr. Ganapati Hedge)
University of Bristol (Dr. Paul Harris),
King's College London (Dr. Xinruo Zhang),
Victoria University of Wellington, New Zealand (Dr. Harsh Tataria),
University of Bristol (Dr. Siming Zhang),
King's College London (Dr. Vahid Towhidlou),
Universitat Politecnica de Catalunya, Spain (Dr. Konstantinos Ntontin),
University of Edinburgh (Dr. Athanasios Stavridis),
University of Manchester (Dr. Tarla Abadi),
University of Edinburgh (Dr. Xiping Wu),

Queen Mary University (Dr. Bo Zhong),
University of Edinburgh (Dr. Abdelhamid Younis)

ΕΞΩΤΕΡΙΚΟΣ ΕΞΕΤΑΣΤΗΣ ΠΡΟΓΡΑΜΜΑΤΩΝ

Νοε 2018- Σήμερα	Εξωτερικός εξεταστής προγραμμάτων MSc επικοινωνιών	Πανεπιστήμιο του Μπρίστολ, ΗΒ

ΕΡΕΥΝΗΤΙΚΕΣ ΕΠΙΧΟΡΗΓΗΣΕΙΣ ΚΑΙ ΒΡΑΒΕΙΑ

Μαρ '23	***EU MSCA-DN Grant*** *with CNIT, Chalmers U. Tampere U., American College of Greece, Bosch, Nokia, WaveUp, and RadChat, "Integrated Sensing and communications for future vehicuLAr environments – a Network of Doctoral Students [ISLANDS]"* ***- €2.7m (€308k to UCL)***	European Union, MCSA
Φεβ '23	***Marie Curie Fellowship*** *with Kawon Han entitled "Connected Sensing Techniques: Cooperative Radar Networks Using Joint Radar and Communication Waveforms (ConSenT)" -* ***€220k***	European Union, MCSA
Φεβ '23	***Marie Curie Fellowship*** *with Kaitao Meng and ACG entitled "Design and performance analysis of network-level ISAC: More than Integration (NetISAC)" -* ***€236k***	European Union, MCSA
Αυγ '22	***Knowledge Transfer Partnership*** *with Plextek* ***- £246k***	Innovate UK
Αυγ '22	***DSTL Grant*** *with U. Edinburgh, U. Bristol, Queens U. Belfast, U. Sheffield, Herriot Watt, entitled "Next generation information networks"* ***- £8m***	Defense Science and Technology Laboratory (DSTL), UK
Απρ '22	***EPSRC Standard Research Grant*** *QMUL, U. Durham, BT, Filtronic, NEC, Plextek, QinetiQ, Thales, Sinowave entitled "Transmission Channels Measurements and Communication System Design for Future mm Wave Communications [mmWave TRACCS]"* ***- £1.8m***	Engineering and Physical Sciences Research Council (EPSRC), UK
Ιουν '21	***DASA Emerging Innovations Grant*** *with QinetiQ entitled "Design and Testing of Low Probability Of Intercept (LPI) Waveforms For Joint Radar And Communications"* ***- £98k***	Defense and Security Accelerator (DASA), UK
Φεβ '21	***Cities Partnership Grant*** *with KTH entitled "Integrated Sensing and Communications for Perceptive Smart Cities"* ***- £5k***	UCL Global Engagement Office, UK
Μαρ '20	***EPSRC Capital Equipment Grant*** *with XTERA, Nokia, KDDI research, Huawei, Lumentum Technology, BT, NEC, Cable Labs, Mitsubishi Electric, Keysight Technologies, Microsoft, Viavi Solutions, Socionext, Micram Microelectronic, Aston U., U. Cambridge, King's College London, U. Southampton, U. Surrey, entitled "Advanced signal generation/detection system for ultra-wideband communication networks"* ***- £1m***	Engineering and Physical Sciences Research Council (EPSRC), UK
Οκτ 2020	***EPSRC D2U Επιχορήγηση προ-εμπορευματοποίησης*** *με QinetiQ, HAIT, ACG entitled "Testing and Refinement of Dual Communications and Radar Waveforms in Commercially Relevant Environments [DCRW]"* ***- £97k***	Engineering and Physical Sciences Research Council (EPSRC), UK
Φεβ 2020	***Επιχορήγηση βιομηχανικής έρευνας*** *από τη Huawei China με τίτλο* **"** *Enabling Joint Sensing and Communication for MmWave Cellular: Hardware-Constrained Designs" -* ***£60k***	Huawei, Κίνα
Αυγ 2019	***Επιχορήγηση βιομηχανικής έρευνας*** *από τη Huawei China με τίτλο* **"** *MU-MIMO enhancement by Constructive Interference Exploitation Precoding" -* ***£190k***	Huawei, Κίνα
Ιούν 2019	***Επιχορήγηση βιομηχανικής έρευνας*** *από τη NEC Ιαπωνία με τίτλο* ***«****Evaluation and analysis of beamforming and spectrally efficient techniques for point-to-point microwave and mm-wave radio" -* ***£ 41k***	NEC Corporation, Ιαπωνία
Μάι 2019	***Επιχορήγηση έρευνας*** EPSRC IAA *με, Satellite Catapult και Eutelsat με τον τίτλο* ***«****Artificial Intelligence for Satellite Communications Interference» -* ***£30k***	Engineering and Physical Sciences Research Council (EPSRC), ΗΒ

Μάρ 2019	***EPSRC Standard Research Grant*** *με, Huawei, NEC, U. Duke, Digital Catapult, CommNet2 με τίτλο* ***"*** *Learning to Communicate: Deep Learning based solutions for the Physical Layer of Machine Type Communications [LeanCom]"* ***- £ 860k***	Engineering and Physical Sciences Research Council (EPSRC), HB
Νοε 2018	***ΕΠΙΧΟΡΉΓΗΣΗ EPSRC UDRC3*** με το αυτοκρατορικό κολλέγιο Λονδίνο, Θαλής, IBM, Αμερικανικός στρατός, Fraunhofer, Ηπα Κάνσας με τον τίτλο «"Signal Sensing, Design and Delivery for Electronic» - ***£1εκατ***	Engineering and Physical Sciences Research Council (EPSRC), HB
Ιούν 2018	***Επιχορήγηση EU MCSA-ITN*** *με Nokia Bell Labs, Reseiwe, Lyra Electronics, Orion Technologies, RIO Systems, U. Manchester, Supelec, Athens Information Technology, Aalborg University, University of Cyprus, με τίτλο " energy-autonomous Portable Access points for INfrastructure-LESS networks [PAINLESS]" -* ***€4.2εκατ.***	Ευρωπαϊκή Ένωση, MCSA
Ιούν 2018	***Υποτροφία Συμβουλίου Κίνα (CSC) Studentship*** με τίτλο " Key Technologies of Massive MIMO Based Cognitive Radio Networks.," Διδακτρα και μισθό της Μις Nanchi Hu, Ανατεθην Επιβλέπων μετά την επιτυχή αξιολόγηση της ερευνητικής πρότασης - ***£ 104k***.	Συμβούλιο Υποτροφιών Κίνας (CSC), Κίνα
Ιαν 2018	***Marie Curie Υποτροφία*** *με Fan Liu με τίτλο " Combining MIMO Radar with MU-MIMO Communications: More than Coexistence"* ***- £ 160k***	Ευρωπαϊκή Ένωση, MCSA
Ιαν 2018	***EPSRC D2U Επιχορήγηση προ-εμπορευματοποίησης*** *με QinetiQ, Cobham wireless και AIT με τίτλο «Development and testing of a pre-commercialisation prototype of an Electronically Steerable Parasitic Array Radiator (ESPAR) transceiver"* ***- £100k***	Engineering and Physical Sciences Research Council (EPSRC), HB
Ιούλ 2017	***EPSRC Standard Research Grant*** με *U. Luxemburg, Εθνικά Όργανα, BT, Huawei, QinetiQ, με τίτλο* ***"*** *Interference Exploitation for physical layer security in 5G networks [CI-PHY]" –* ***£1.1m***	Engineering and Physical Sciences Research Council (EPSRC), HB
Ιούλ 2017	***NSFC Επιχορήγηση*** *με το Ινστιτούτο Τεχνολογίας του Πεκίνου με τίτλο " Research on Key Techniques of M-ary Chirp Modulation Based on Riemannian Manifold "* ***- £110k***	NSFC, Κίνα
Φεβ 2016	***Υποτροφίας Διακεκριμένου Επισκέπτη του Royal Academy of Engineering*** *με τον καθηγητή Γ. Παπαδιά, με τίτλο* ***«****Merging Capabilities in Analog-Digital Transmission of Next Generation Wireless Networks [MANGO]»* ***- £6k***	Royal Academy of Engineering, HB
Ιαν 2016	***Υποτροφία Petroleum Technology Development Fund***, Νιγηρία, με τίτλο " Energy Efficient Full Duplex Transmission for 5G and Beyond," Διδακτρα και μισθό του Mahmood Kabir, Ανατεθην Επιβλέπων μετά την επιτυχή αξιολόγηση της ερευνητικής πρότασης - ***£ 93k***.	Ταμείο Ανάπτυξης Τεχνολογίας Πετρελαίου (PTDF), Νιγηρία
Μάι 2015	***Υποτροφία Συμβουλίου Κίνας (CSC) Studentship*** με τίτλο " Large Scale Antenna Systems with Hardware-Informed Precoding Designs," Διδακτρα και μισθό του Ang Li, Ανατεθην Επιβλέπων μετά την επιτυχή αξιολόγηση της ερευνητικής πρότασης - ***£ 104k***.	Συμβούλιο Υποτροφιών Κίνας (CSC), Κίνα
Ιουν 2014	***EPSRC ερευνητική επιχορήγηση*** με *Heriot Watt U. με τον τίτλο «Large Scale Antenna Systems Made Practical: Advanced Signal Processing for Compact Deployments (LSAS-SP)»* - ***£550k***	Engineering and Physical Sciences Research Council (EPSRC), HB
Αύγ 2011	**Ερευνητική υποτροφία Royal Academy of Engineering** με τον τίτλο «Interference as a source of green signal energy in wireless communications» ***- £550k***	Royal Academy of Engineering, HB
Αυγ 2011	*Ερευνητική Επίσκεψη και Χρηματοδότηση συνεργασίας από το EURECOM, έμμεση συνεισφορά* ***- £20k***	EURECOM, FR

Αυγ 2011	*Έρευνητική Επίσκεψη και Συνεργασία Χρηματοδότηση από AIT, έμμεση συνεισφορά* - ***£ 20k***	Athens Information Technology, GR
Μάι 2010	**Διεθνής Επιχορήγηση** για την παρακολούθηση IEEE PIMRC, Σεπτέμβριος 2010 ~ ***£ 1k***	Royal Academy of Engineering, ΗΒ
Φεβ 2010	**Διεθνής Επιχορήγηση** για την παρακολούθηση IEEE WCNC, Απρίλιος 2010 ~ ***£ 1k***	Royal Academy of Engineering, ΗΒ
Μάι 2009	**IET** 2009 D H Thomas Ταξίδια Bursary ~ ***£ 1.5k***	Ινστιτούτο Μηχανικών και Τεχνολογίας, ΗΒ
Απρ 2009	**Διεθνής επιχορήγηση** για την παρακολούθηση IEEE ICC, Ιούνιος 2009 ~ ***£ 1k***	Royal Academy of Engineering, ΗΒ
Νοε 2008	**Διεθνής επιχορήγηση** για την παρακολούθηση IEEE GlobeCom, Νοέμβριος 2008 ~ ***£ 1k***	Πανεπιστήμιο του Μάντσεστερ
Μάι 2008	**Διεθνής επιχορήγηση** για την παρακολούθηση IEEE ICC, Ιούνιος 2008 ~ ***£1k***	Royal Academy of Engineering, ΗΒ
Σεπ 2010	**Διεθνής επιχορήγηση** για την παρουσία IEEE GlobeCom, Νοεμβρίου 2007 ~ ***£1k***	Royal Academy of Engineering, ΗΒ

ΚΡΙΤΗΣ ΔΙΕΘΝΩΝ ΕΡΕΥΝΗΤΙΚΩΝ ΠΡΟΤΑΣΕΩΝ

Νοε 2022	*Κριτης προτασεων για* Fellowship proposals to MSCA COFUND project ONISILOS
Αυγ 2022	*Κριτης προτασεων για* National Science Center, Poland
Ιουν 2022	*Κριτης προτασεων για* Dutch Research Council (NWO), Netherlands
Φεβ 2019	*Κριτης προτασεων για* Deutsche Forschungsgemeinschaft (DFG), Γερμανία
Ιούλ 2018	*Κριτης προτασεων για* Luxembourg National Fund (FNR), Λουξεμβούργο
Μαρ 2017	*Κριτης προτασεων για* Royal Academy of Engineering (UK-China grants), ΗΒ
Νοε 2016	*Κριτης προτασεων για* Natural Sciences and Engineering Research Council of Canada (NSERC), Καναδάς
Οκτ 2016 - Σήμερα	*Κριτης προτασεων για* Engineering and Physical Sciences Research Council (EPSRC), ΗΒ

EDITORSHIPS

Δεκ '23- Δεκ '23	***Guest Editor*** for IEEE IoT Journal call "Special Issue on Current Research Trends and Open Challenges for Industrial Internet-of-Things"
Φεβ '22- Φεβ '23	***Lead Guest Editor*** for IEEE WCM call "Integrated Sensing and Communication for 6G"
Δεκ '20 – Φεβ '22	***Guest Editor*** for IEEE JSAC call "Integrated Sensing and Communication"
Ιουν '20 – Σεπ '21	***Lead Guest Editor*** for IEEE JSTSP call "Joint Communication and Radar Sensing for Emerging Applications"
Μαρ '20 – Σήμερα	***Editor-at-Large*** *για* IEEE Open Journal of the Communications Society
Ιαν '20 – Σεπ 21	***Guest Editor*** *για* IEEE Open Journal of the Communications Society έκδοση "Aerial wireless networks: drones for communications and communications for drones"
Νοε '19 – Σήμερα	***Editor*** *για* IEEE Open Journal of Signal Processing
Νοε '18 – Σήμερα	***Editor*** *για* IEEE Transactions on Wireless Communications
Ιαν '19 – Δεκ '19	***Guest Editor*** for EURASIP JWCN έκδοση "Cognitive UAVs in Critical Missions: IoT-based Applications, Protocols and Deployments"
Φεβ '18 – Φεβ '21	***Elected Member*** *για* EURASIP SAT Signal Processing for Communications
Σεπ' 17 – Μαι '18	***Lead Guest Editor*** *για* IEEE JSTSP έκδοση "Hybrid Analog / Digital Signal Processing for Hardware-Efficient Large Scale Antenna Arrays"

Μαρ' 17 – Μαρ' 22	***Editor*** *για* IEEE Transactions on Communications
Ιαν' 16 – Σεπ '16	***Guest Editor*** *για* IEEE JSTSP έκδοση "Exploiting Interference towards Energy Efficient and Secure Wireless Communications"
Ιαν' 15 – Ιαν '19	***Associate Editor*** *για* IEEE Communications Letters

ΕΠΙΚΕΦΑΛΗΣ ΔΙΕΘΝΩΝ ΕΡΕΥΝΗΤΙΚΩΝ ΕΝΕΡΓΕΙΩΝ

Jun '22 – Present	***Chair*** του IEEE Green Communications & Computing Technical Committee, Special Interest Group on Green ISAC
Mar '21 – Present	***Founding Member***, και ***Vice-Chair*** του IEEE Communication Society Emerging Technology Initiative (ETI) on Integrated Sensing and Communications (ISAC)
Jan '21 – Present	***Vice-Chair*** του Signal Processing Society Technical Working Group (TWG), Integrated Sensing and Communication
Jul '20 – Present	***Vice-Chair*** του IEEE Wireless Communications Technical Committee, Special Interest Group on Integrated sensing and communications (ISAC)
Jun '20 – May '22	***Chair*** του IEEE Green Communications & Computing Technical Committee, Special Interest Group on Energy Harvesting Communication Networks
Feb '18 – Dec '20	***Elected Member*** του EURASIP TAC Signal Processing for Communications

ΠΑΡΟΥΣΙΑ ΣΕ ΕΠΙΤΡΟΠΕΣ ΟΡΓΑΝΩΣΗΣ ΣΥΝΕΔΡΙΟΥ ΚΑΙ ΠΑΝΕΛ ΣΥΝΕΔΡΙΟΥ

30. IEEE ICC 2024, Selected Areas in Communications (SAC) on Integrated Sensing and Communication Track – **TPC Chair**
29. IEEE MobiSys 2023: The 2nd ACM MobiSys Workshop on Integrated Sensing and Communications for Metaverse – **Workshop Organiser and Co-Chair**
28. IEEE WiOpt 2023: International Workshop on Integrated Sensing and Communications – **Workshop Organiser and Co-Chair**
27. IEEE ICASSP 2023: International Workshop Towards Net-Zero Energy Communication Networks – **Workshop Organizer and Chair**
26. IEEE ICC 2023: Industrial Panel on Non-Terrestrial Networks for Global Sustainable Connectivity – **Invited Panelist**
25. IEEE ICC 2023: Industrial Panel on Integrated Sensing and Communication – **Invited Panelist**
24. IEEE ICC 2023: 5th Workshop on Integrated Sensing and Communication – **Workshop Organizer and Chair**
23. IEEE VTC Fall 2022: International Workshop Towards Net-Zero Energy Communication Networks – **Workshop Organizer and Chair**
22. IEEE MobiCom 2022: International Workshop on Integrated Sensing and Communications – **Workshop Organiser and Co-Chair**
21. IEEE GlobeCom 2022: International Workshop on Workshop on Sustainable Future Ultra-dense Networks (FutureUDNs) – **Workshop Organiser and Co-Chair**
20. IEEE VTC-Spring 2022: International Workshop on Integrated Sensing and Communications – **Steering Committee Member**
19. One World Signal Processing Webinar Mini Series on Model-based AI – Spring 2022 **- Series Organizer and Co-Chair**
18. IEEE SAM 2022: Special Session: Integrated Sensing and Communications – **Special Session Organizer and Chair**
17. IEEE EUSIPCO 2022: Special Session: Integrated Sensing and Communications – **Special Session Organizer and Chair**
16. IEEE ICASSP 2022: Special Session: Security- and Privacy-Preserving Signal Processing Techniques for Emerging Applications – **Special Session Organizer and Chair**
15. IEEE Globecom 2021 Industry Panel on "5G and beyond - The Perspective of European Research Projects" – **Panel Member**
14. One World Signal Processing Webinar Series – **Fall 2021 Series Organizer and Co-Chair**

13. IEEE PIMRC 2020: International Workshop on UAV Communications for 5G and Beyond (UAV 5G & Beyond) – **Workshop Organizer and Co-Chair**
12. IEEE PIMRC 2020: PHY & Fundamentals Track – **TPC Co-Chair**
11. IEEE ICC 2020: International Workshop on Communication and Radar Spectrum Sharing: From Coexistence to Co-Design – **Workshop Organizer and Co-Chair**
10. IEEE ICASSP 2020: Special Session: Hardware-Efficient Large-Scale Antenna Arrays: The Stage for Symbol-Level Precoding – **Special Session Organizer and Chair**
9. EU MSCA-ITN PAINLESS 1st Summer School 2019 – **Organizer and Chair**
8. IEEE ICASSP 2019: Special Session: Communications and Radar Transmission: Coexistence and Beyond – **Special Session Organizer and Chair**
7. IEEE VTS PT Chapter/COST-IRACON Joint 2018 Winter School on Beyond 5G Networks: Panel on "Trends on B5G research" – **Panel Member**
6. IEEE Globecom 2017: International Workshop on Large-Scale Antenna Systems in Licensed and Unlicensed Bands – **Steering Committee Member**
5. IEEE EUSIPCO 2017: Special Session: Hybrid Analog / Digital Signal Processing for Hardware-Efficient Large Scale Antenna Arrays – **Special Session Organizer and Chair**
4. IEEE ICT 2016: Special Session: Exploiting interference towards energy efficient and secure wireless communications – **Special Session Organizer and Chair**
3. IEEE 17th International Workshop on Signal Processing Advances in Wireless Communications (SPAWC 2016) – **Publicity Chair**
2. IEEE 15th International Conference on Computer and Information Technology (CIT-2015) - **Vice Program Chair** (http://cse.stfx.ca/~cit2015/committee.html)
1. University of Manchester Postgraduate Research Conference PGR 2009 – **Organizing Committee Member**

ΚΡΙΤΗΣ ΣΕ ΔΙΕΘΝΗ ΣΥΓΓΡΑΜΜΑΤΑ

<u>Περιοδικά</u>

- IEEE Trans. on Wireless Communications
- IEEE Trans. on Communications
- IEEE Trans. on Signal Processing
- IEEE Journal on Selected Areas of Communications
- IEEE Journal on Selected Topics in Signal Processing
- IEEE Trans. on Vehicular Technology
- IEEE Communications Letters
- IEEE Signal Processing Letters
- IEEE Wireless Communications Letters
- IET Journal on Communications
- EURASIP Journal on Wireless Communications and Networking
- European Transactions on Telecommunications
- Elsevier Computer Communications
- Wiley Wireless Communications and Mobile Computing

<u>Συνέδρια</u>

Τακτικός κριτής από το 2007, και μέλος της επιτροπής τεχνικού προγράμματος από το 2010 των

- IEEE Global Communications Conference (GlobeCom),
- IEEE International Conference on Communications (ICC),
- IEEE Wireless Communications and Networking Conference (WCNC),
- IEEE International Conference on Acoustics Speech and Signal processing (ICASSP),
- IEEE International Symposium on Personal, Indoor and Mobile Radio Communications (PIMRC),
- IEEE Vehicular Technology Conference (VTC)

SESSION CHAIR ΣΕ ΣΥΝΕΔΡΙΟ

23. IEEE ICASSP 2023: International Workshop Towards Net-Zero Energy Communication Networks
22. IEEE ICC 2023: 5th Workshop on Integrated Sensing and Communication
21. IEEE VTC Fall 2022: International Workshop Towards Net-Zero Energy Communication Networks

20. IEEE MobiCom 2022: International Workshop on Integrated Sensing and Communications
19. IEEE GlobeCom 2022: International Workshop on Workshop on Sustainable Future Ultra-dense Networks (FutureUDNs)
18. IEEE SAM 2022: Special Session: Integrated Sensing and Communications
17. IEEE EUSIPCO 2022: Special Session: Integrated Sensing and Communications
16. IEEE ICASSP 2022: Special Session: Security- and Privacy-Preserving Signal Processing Techniques for Emerging Applications
15. IEEE PIMRC 2020: International Workshop on UAV Communications for 5G and Beyond (UAV 5G & Beyond)
14. IEEE ICC 2020: International Workshop on Communication and Radar Spectrum Sharing: From Coexistence to Co-Design
13. IEEE ICASSP 2020: Special Session: Hardware-Efficient Large-Scale Antenna Arrays: The Stage for Symbol-Level Precoding
12. IEEE ICASSP 2019: Special Session: Communications and Radar Transmission: Coexistence and Beyond
11. IEEE GlobeCom 2017: Technical Session: CT.09: MIMO – Communication and Security
10. IEEE EUSIPCO 2017: Special Session Hybrid Analog / Digital Signal Processing for Hardware-Efficient Large Scale Antenna Arrays
9. IEEE ICT 2016: Special Session: Exploiting interference towards energy efficient and secure wireless communications
8. IEEE ICC 2015: Technical Session: WC-06 Massive MIMO
7. IEEE GlobeCom 2014: Technical Session: AHSN I-2 : Scheduling and Coding
6. IEEE GlobeCom 2013: Technical Session: WN11: Small Cell Networks
5. IEEE WCNC 2013: Technical Sessions: PHY09: Precoding, PHY53: Cognitive Radio
4. IEEE PIMRC 2012: Technical Session: PHY02 MIMO Signal Processing I
3. IEEE ICC 2012: Technical Session: WN10: Wireless Relay Networks II
2. IEEE GlobeCom 2011: Technical Session: SPC12: OFDM and Multicarrier systems
1. IEEE WCNC 2009: Technical sessions PHY 7: Spread Spectrum, PHY 44: MIMO-OFDM 2

ΜΕΛΟΣ ΣΕ ΕΠΑΓΓΕΛΜΑΤΙΚΟΥΣ ΟΡΓΑΝΙΣΜΟΥΣ

- Senior Member του IEEE Communications Society από το 2014 (Member since 2006)
- Senior Member του IEEE Signal Processing Society από το 2019
- Member του IET Communications Society από το 2006
- Member του EPSRC Associate College από το 2016
- Μέλος του Τεχνικού Επιμελητηρίου Ελλάδος (ΤΕΕ) από το 2004

ΛΙΣΤΑ ΔΗΜΟΣΙΕΥΣΕΩΝ

Βραβεία καλύτερης δημοσίευσης

3. F. Liu, L. Zhou, **C. Masouros**, A. Li, W. Luo, and A. Petropulu "Toward Dual-functional Radar-Communication Systems: Optimal Waveform Design" IEEE Transactions on Signal Processing, August 15, 2018, ***The 2021 IEEE SPS Young Author*** ***Best Paper Award***
2. A. Salem, **C. Masouros,** "Rate Splitting Approach Under PSK signaling Using Constructive Interference Precoding Technique", IEEE WCNC 2019, ***best paper award in Track 1: PHY and Fundamentals***
1. **C. Masouros** and G. Zheng, "Power Efficient Downlink Beamforming Optimization by Exploiting Interference", IEEE GlobeCom2015, ***best paper award in Signal Processing for Communications (SPC) symposium***

Βιβλία

1. F. Liu, **C. Masouros**, Y. Eldar, "Integrated Sensing and Communications", 2023 edition Springer

Κεφάλαια σε βιβλία

9. X. Hu, K. Wong, **C. Masouros,** S. Jin, "IRS-aided Mobile Edge Computing: From Optimization to Learning" published by the book "IRS Empowered 6G Wireless Network" edited by Qingqing Wu, Trung Q. Duong, Derrick Wing Kwan Ng, Robert Schober, and Rui Zhang, 2023 edition Wiley – ***Προσκεκλημένο έργο***
8. A. Salem, **C. Masouros,** "Security Challenges and Solutions for Rate Splitting Multiple Access" published in book "Physical Layer Security for 6G" edited by N. Pappas, P. Mohapatra, A. Chorti, and S. Tomasin, 2023 edition Wiley – ***Προσκεκλημένο έργο***
7. N. Su, F. Liu, **C. Masouros,** "Security and Privacy in ISAC Systems", published by book "Integrated Sensing and Communications", edited by Y. Eldar, C. Masouros, F. Liu, 2023 edition Springer
6. W. Yuan, Z. Du, X. Meng, F. Liu, and **C. Masouros** "Integrated Sensing and Communication for Vehicular Networks", published by book "Integrated Sensing and Communications", edited by Y. Eldar, C. Masouros, F. Liu, 2023 edition Springer
5. F. Dong, F. Liu, and **C. Masouros** "PHY Tradeoff and Resource Allocation for ISAC", published by book "Integrated Sensing and Communications", edited by Y. Eldar, C. Masouros, F. Liu, 2023 edition Springer
4. F. Liu, **C. Masouros**, "Communication and Radar systems: Spectral co-existence and beyond", published by the Cambridge Press book "Spectrum Sharing: The Next Frontier in Wireless Networks", Edited by: Constantinos Papadias, Tharm Ratnarajah, Dirk Slock, 2020 edition Wiley-IEEE Press – ***Προσκεκλημένο έργο***
3. **C. Masouros**, "Harvesting Signal Power from Constructive Interference in Multiuser Downlinks", published in the book "Wireless Energy Harvesting for Future Wireless Communications", Edited by: John Thompson, Symeon Chatzinotas, Salman Durrani, 2018 edition Springer – ***Προσκεκλημένο έργο***
2. S. Timotheou, G. Zheng, **C. Masouros**, and I. Krikidis "Exploiting Constructive Interference For Simultaneous Wireless Information And Power Transfer In Multiuser Downlink Systems", published in the book "Wireless Information and Power Transfer: Theory and Practice", Edited by: Trung Q. Duong, Caijun Zhong, and Robert Schober, 2019 edition John Wiley & Sons – ***Προσκεκλημένο έργο***
1. **C. Masouros** and A. Garcia, "Chapter 5: Large Scale Antenna Systems", published in the book "5G Wireless Technologies", Edited by: Angeliki Alexiou, 2017 edition the IET – ***Προσκεκλημένο έργο***

Περιοδικά

144. F. Liu, L. Zheng, Y. Cui, **C. Masouros**, A. Petropulu, H. Griffiths, Y. Eldar, "Seventy Years of Radar and Communications: The Road from Separation to Integration", IEEE Sig. Proc. Mag., *in press*
143. A. Mohammad, **C. Masouros**, I. Andreopoulos, "A Memory-Efficient Learning Framework for Symbol Level Precoding with Quantized NN Weights", IEEE Open Journal ComSoc., *in press*
142. A. Mohammad, **C. Masouros**, I. Andreopoulos, "An Unsupervised Deep Unfolding Framework for Robust Symbol Level Precoding", IEEE Open Journal ComSoc., vol. 4, pp. 1075-1090, 2023, doi: 10.1109/OJCOMS.2023.3270455
141. M. Al-Jarrah, E. Alsusa, **C. Masouros**, "A Uniform Performance Framework for Integrated Sensing-Communications based on KL-Divergence", IEEE Trans. Wireless Comms, *in press*
140. X. Meng, F. Liu, **C. Masouros**, W. Yuan, Q. Zhang, Z. Feng, "Vehicular Connectivity on Complex Trajectories: Roadway-Geometry Aware ISAC Beam-tracking", IEEE Trans Wireless Comms., *in press*
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