

Asimina Kiourti

Assistant Professor

ElectroScience Laboratory, Dept. of Electrical and Computer Engineering

The Ohio State University

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1. AREAS OF SPECIALIZATION

- Medical sensing
- On-/in-body antennas (wearable, implantable, ingestible)
- Flexible and stretchable electronics for several applications (medical, body-worn, sports, automotive, military, space, RFIDs, etc.)
- Electromagnetics for medical and other body area applications
- RF/microwave circuits and systems

2. APPOINTMENTS

- 2016 – ...:** **Assistant Professor**, Dept. of Electrical and Computer Engineering, ElectroScience Laboratory, The Ohio State University
- 2014 – 2016:** **Senior Research Associate**, Dept. of Electrical and Computer Engineering, ElectroScience Laboratory, The Ohio State University (Supervisor: Prof. John L. Volakis)
- 2013–2014:** **PostDoctoral Researcher**, Dept. of Electrical and Computer Engineering, ElectroScience Laboratory, The Ohio State University (Advisor: Prof. John L. Volakis)
- 2013, 2011:** **Scholar Visitor**, Instituto de Telecomunicações, Instituto Superior Técnico, Portugal (1.5 months, Advisor: Prof. Carlos A.C. Fernandes)
- 2012:** **Scholar Visitor**, Dept. of Electrical and Computer Engineering, ElectroScience Laboratory, The Ohio State University (5 months, Advisor: Prof. John L. Volakis)

3. EDUCATION

Ph.D., Electrical and Computer Engineering, National Technical University of Athens, Greece, 2013. Ph.D. Dissertation: “Design of Implantable Antennas for Wireless Medical Telemetry Applications” (Advisor: Prof. Konstantina S. Nikita)

- *Won “Outstanding Ph.D. Dissertation Award” by the Dimitris N. Chorafas Foundation*

M.Sc., Electronic and Electrical Engineering, University College London, United Kingdom, 2009.

M.Sc. Thesis: “Design and Simulation of a Telemetry for Implantable Biomedical Applications”

- *Awarded with “Distinction”*

Diploma (5-year program, Master-equivalent), Electrical and Computer Engineering, University of Patras, Greece, 2008

- *GPA: 9.06/10.00 (“Excellent”), Graduation ranking: 1st, University Entrance ranking: 1st out of the 300 students entering the Department, and 1st out of all students in the Achaia prefecture (~330,000 inhabitants)*

4. AWARDS AND SCHOLARSHIPS

INDIVIDUAL

- IEEE Engineering in Medicine and Biology Society Young Investigator Award, 2014. Awarded to outstanding young investigators working on BRAIN (Brain Research through Advancing Innovative Neurotechnologies) research.
- Outstanding Ph.D. Dissertation Award by the Dimitris N. Chorafas Foundation, 2013. Awarded to the best Ph.D. Dissertation defended within all Schools of the National Technical University of Athens.
- IEEE Microwave Theory and Techniques Society Graduate Award for Medical Applications, 2012. Up to two awards are granted each year internationally to recognize graduate students who show promise and interest in applying microwave engineering to medical applications.
- Short Term Scientific Mission (STSM) Grant by COST IC1102, 2012. For a 1-month scholar visit to Instituto de Telecomunicações, Instituto Superior Técnico, Portugal. A COST Action normally approves four STSM applications each year.
- IEEE Antennas and Propagation Society Doctoral Research Award, 2011. Ten awards are granted each year internationally, based on the candidates' academic performance and quality of the proposed research project.
- Best Paper Awards by the Thomaideio Foundation of the National Technical University of Athens, 2010-2013 (competing among papers from all Schools of NTUA). For our papers:
 - “In Vivo Tests of Implantable Antennas in Rats: Antenna Size and Inter-Subject Considerations,” by A. Kiourti, K.A. Psathas, P. Lelovas, N. Kostomitsopoulos, and K.S. Nikita, IEEE Antennas and Wireless Propagation Letters, 2013.
 - “Miniature Scalp-Implantable Antennas for Telemetry in the MICS and ISM Bands: Design, Safety Considerations and Link Budget Analysis,” by A. Kiourti and K.S. Nikita, IEEE Transactions on Antennas and Propagation, 2012.
 - “Performance of a Novel Miniature Antenna Implanted in the Human Head for Wireless Biotelemetry,” by A. Kiourti, M. Christopoulou, and K.S. Nikita, IEEE International Symposium on Antennas and Propagation, 2011.
 - “Design of a Novel Miniaturized Implantable PIFA for Biomedical Telemetry,” by A. Kiourti, M. Christopoulou, S. Koulouridis, and K.S. Nikita, International ICST Conference on Wireless and Mobile Communications in Healthcare, 2010.
- Ph.D. Scholarship by the NTUA Special Account for Research Grants, 2010-2013. Around four scholarships are awarded each year to Ph.D. students enrolled in the Department of Electrical and Computer Engineering, National Technical University of Athens.
- Ph.D. Scholarship by the A.G. Leventis Foundation, 2010-2013. Criteria applied to the Foundation's annual scholarship scheme are the scholastic ability of the candidate measured in terms of previous academic record and the financial situation of the individual. About one application in eleven is accepted.
- Ph.D. Scholarship by the NTUA Institute of Communication and Computer Systems, 2010-2012. Six monthly-duration scholarships are in total available to each Ph.D. advisor each year. The advisor further awards these scholarships to Ph.D. students, based on their performance and quality of research.
- MobiHealth 2010 Best Student Paper Award, 2010. For our paper “BER Performance of a BPSK Biomedical Telemetry System under Varying Coupling and Loading Conditions,” by A. Kiourti and A. Demosthenous, International ICST Conference on Wireless and Mobile Communications in Healthcare, 2010.

- Ph.D. Scholarship by the Foundation of Education and European Culture, 2010. Criteria applied to the Foundation's annual Scholarship Scheme are the scholastic ability of the candidate measured in terms of previous academic record and the financial situation of the individual. Around four scholarships are awarded each year to postgraduate students studying in Greece.
- Scholarship for Lecture Attendance by the Alexander S. Onassis Public Benefit Foundation, 2010. For participation in "The 2010 Lectures in Computer Science: Network and Information Security", Heraklion, Crete, Greece. Around 50 participants were selected worldwide based on their academic performance and merit to date.
- M.Sc. Scholarship by the Foundation of Education and European Culture, 2009. Criteria applied to the Foundation's annual Scholarship Scheme are the scholastic ability of the candidate measured in terms of previous academic record and the financial situation of the individual. Around eight scholarships are awarded each year to postgraduate students studying abroad.
- M.Sc. Scholarship by University College London, 2009. Criteria applied are the students' academic performance and merit to date.
- Excellence Awards by the Greek State Scholarships Foundation, 2004-2008. For ranking 1st (years 1, 3, 4 and 5) and 2nd (year 2) during my undergraduate studies.
- Excellence Award by the Skoura Foundation, 2007. For ranking 1st out of 300 students during the 4th year of undergraduate studies.
- Personal Recognition by the President of Greece, 2004. For ranking 1st in the Achaia prefecture (>330,000 inhabitants) during the Pan-Hellenic University Entrance Examinations.
- Excellence Award by the Rector of the University of Patras, 2003. For ranking 1st out of the 300 students entering the Department of Electrical and Computer Engineering, University of Patras, in 2003.
- Excellence Award by the Metropolis of Patras, 2003. For obtaining the highest Pan-Hellenic University Entrance Examinations score (19,830/20,000) out of all students from the school units of the regions of competence of the Metropolis of Patras.
- Excellence Award by the EFG Eurobank Ergasias Bank, 2003. For obtaining the highest Pan-Hellenic University Entrance Examinations score (19,830/20,000) out of all students of the Experimental High School of Patras.

WITH STUDENTS

- Honorable Mention at the IEEE Antennas and Propagation Symposium, 2016. Awarded to: **Cedric Lee** (Graduate Student, The Ohio State University) for our paper "Miniature Fully-Passive Brain Implant for Wireless Real-Time Neuropotential Monitoring," by C. Lee, A. Kiourti, and J.L. Volakis, *2016 IEEE International Symposium on Antennas and Propagation*, Fajardo, Puerto Rico, Jun. 26 – Jul. 1, 2016.
- U.S. National Committee for the International Union of Radio Science (USNC-URSI) Student Fellowship Grant Award, 2016. Awarded to: **Md Asiful Islam** (Graduate Student, The Ohio State University) for our paper "Portable and Conformal RF Sensor for High-Accuracy Real-Time Imaging," by M.A. Islam, A. Kiourti, and J.L. Volakis, *USNC-URSI National Radio Science Meeting*, Boulder, CO, Jan. 6–9, 2016.
- U.S. National Committee for the International Union of Radio Science (USNC-URSI) Student Fellowship Grant Award, 2016. Awarded to: **Cedric Lee** (Graduate Student, The Ohio State University) for our paper "Miniaturized Fully-Passive Brain Implant for Wireless Acquisition of Low-Level Neuropotentials," by C. Lee, A. Kiourti, and J.L. Volakis, *USNC-URSI National Radio Science Meeting*, Boulder, CO, Jan. 6–9, 2016.

- IEEE Antennas and Propagation Society Doctoral Research Award, 2015. Awarded to: **Cedric Lee** (Graduate Student, The Ohio State University) for his project “Fully-Passive Wireless Implants for Unobtrusive Brain Signal Monitoring.”
- IMWS 2014 Best Student Paper Award, 2014. Awarded to: **Cedric Lee** (Graduate Student, The Ohio State University) for our paper “Fully-Passive and Wireless Detection of Very-Low-Power Brain Signals,” by C. Lee, A. Kiourti, J. Chae, and J.L. Volakis, IEEE International Microwave Workshop Series on RF and Wireless Technologies for Biomedical and Healthcare Applications, London, UK, Dec. 8–10, 2014.
- 1st place Award at Greater San Diego Science & Eng. Fair, 2014. Awarded to: **Samuel Ferguson** (Christian Unified High School, CA) for his project “Protecting Pacemakers from Predators”.
- Best Diploma Thesis Award by the IEEE–EMBS Greece Chapter, 2011. Awarded to: **Michail Tsakalakis** (Undergraduate Student, National Technical University of Athens) for his Thesis “Design of Miniature Antennas for Implantable Biomedical Devices.”

5. RESEARCH PROJECTS

GRANTS

1. “Wireless implantable electroactive pump for continuous intraperitoneal insulin infusion” (2016–2018) | Sponsor: Juvenile Diabetes Research Foundation (JDRF) | PI: L. Guo, Co-PIs: J.L. Volakis and **A. Kiourti**
2. “High–efficiency electro–optic modulator with on–chip integrated antenna for passive millimeter–wave imaging systems” (2016) | Sponsor: ElectroScience Laboratory Consortium on Electromagnetics and Radio Frequencies (ESL CERF) | PI: **A. Kiourti**
3. “Wireless sensor energy harvesting” (2015–2016) | Sponsor: Hewlett Packard Enterprise Company | PI: J.L. Volakis, Co–PI: **A. Kiourti**
4. “Wearable textile-based Wi-Fi repeater” (2015–2016) | Sponsor: IKOVE Capital Partners | PI: J.L. Volakis, Co–PI: **A. Kiourti**
5. “Physiological studies of brain signals using a wireless neuro-sensing diagnostic system” (2014–2017) | Sponsor: National Science Foundation, Smart and Connected Health (NSF–SCH) | OSU PI: J.L. Volakis, OSU Co–PIs: **A. Kiourti**
6. “Conformal, light-weight and load-bearing antennas based on conductive textile threads” (2014–2016) | Sponsor: Air Force Office of Scientific Research, AFOSR-STTR (in collaboration with PaneraTech Inc.) | PI: J.L. Volakis, Co–PI: **A. Kiourti**
7. “Characterizing unintentional energy transfer during basic and advanced endoscopy” (2014–2015) | Sponsor: Society of American Gastrointestinal and Endoscopic Surgeons (SAGES) | PI: E. Jones, Consultant: **A. Kiourti**

LEADING ROLE IN OTHER RESEARCH PROJECTS

1. “Non–contact laser tonometer for glaucoma testing” (2015–...) | Sponsor: none
2. “Reconfigurable textile antennas and radio frequency electronics using microfluidic techniques” (2013–...) | Sponsor: National Science Foundation, NSF–EAGER
3. “Analysis and design of sensor antennas embedded in polymers” (2013–...) | Sponsor: Bridgestone Americas Tire Operations
4. “Wearable textile imaging sensor as a low cost alternative to magnetic resonance and tomography systems” (2013–...) | Sponsor: none
5. “Beamwidth Reduction and Pattern Control of Electrically Small Antenna Array” (2013–2014) | Sponsor: none
6. “Microwave Cavity with Controllable Temperature for In Vitro Hyperthermia Investigations” (2013) | Sponsor: none

7. “Implantable and Ingestible Medical Devices (IIMDs): optimal–performance–oriented design and evaluation methodology” (2012–2013) | Sponsor: Greek General Secretariat for Research and Technology, ARISTEIA
8. “mBioRF: Multilevel assessment on Biological effects of RadioFrequency electromagnetic waves” (2012–2013) | Sponsor: Greek General Secretariat for Research and Technology, THALIS
9. “Performance investigation of a sticky chip for mobile phone radiation protection” (2012–2012) | Sponsor: Hellenic Electronic Quality Assurance Center, HEEQAC
10. “Preparation of auctioning documents for a proposal that aims to list/record sources of non-ionizing radiation” (2011–2013) | Sponsor: Greek Ministry of Environment, Energy and Climate Change

6. STUDENT ADVISING / MENTORING

• **PhD. Students:**

1. Stephen Watt, Ph.D. student, ElectroScience Laboratory, The Ohio State University (in progress) [MENTOR]
2. Caiyu Wang, Ph.D. student, ElectroScience Laboratory, The Ohio State University (in progress) [MENTOR]
3. Wei-Chuan Chen, Ph.D. student, ElectroScience Laboratory, The Ohio State University (in progress) [MENTOR]
4. Jingni Zhong, Ph.D. student, ElectroScience Laboratory, The Ohio State University (in progress) [MENTOR]
5. Brock DeLong, Ph.D. student, ElectroScience Laboratory, The Ohio State University (in progress) [MENTOR]
6. Md. Asiful Islam, Ph.D. student, ElectroScience Laboratory, The Ohio State University (in progress) [MENTOR]
7. Cedric W. L. Lee, Ph.D. student, ElectroScience Laboratory, The Ohio State University (in progress) --- [MENTOR AND EXTERNAL PH.D. DISSERTATION COMMITTEE MEMBER]
8. Safa Salman, Ph.D., “A Wearable Non-Invasive and Continuous-Time Imaging System of the Thoracic Cavity”, ElectroScience Laboratory, The Ohio State University, 2015. [MENTOR]
9. Shuai Shao, Ph.D., “Design and Optimization of Passive UHF RFID Tag Antenna for Mounting on or inside Material Layers”, ElectroScience Laboratory, The Ohio State University, 2015. [MENTOR]
10. Zheyu Wang, Ph.D., “Electronic Textile Antennas and Radio Frequency Circuits for Body–Worn Applications”, ElectroScience Laboratory, The Ohio State University, 2014. [MENTOR]

• **Scholar Visitors:**

1. Kasper Luthje Jorgensen (Ph.D. student from Denmark Technical University), ElectroScience Laboratory, The Ohio State University (2016) [MENTOR DURING 6-MONTH SCHOLAR VISIT]
2. João Gonçalo dos Santos Teixeira (B.Sc. student from Escola Superior de Biotecnologia of the Universidad Católica Portuguesa), “Implantable Antenna Design,” Dept. of Electrical and Computer Engineering, National Technical University of Athens, 2011. [MENTOR DURING DIPLOMA THESIS RESEARCH]

• **Undergraduate Students:**

1. Ramandeep S. Vilku, Student Research Assistant, ElectroScience Laboratory, The Ohio State University, 09/2016–... [ADVISOR]
2. David Like, Student Research Assistant, ElectroScience Laboratory, The Ohio State University, 06/2015–08/2016. [ADVISOR]

3. Thomas Kucinsky, Student Research Assistant, ElectroScience Laboratory, The Ohio State University, 09/2015–12/2015. [ADVISOR]
 4. Hongyi Liang, Student Research Assistant, ElectroScience Laboratory, The Ohio State University, 05/2015–12/2015. [ADVISOR]
 5. Sriram Saidev, Student Research Assistant, ElectroScience Laboratory, The Ohio State University, 06/2015– 08/2015. [ADVISOR]
 6. Zheng Fong Lau, Student Research Assistant, ElectroScience Laboratory, The Ohio State University, 10/2014–04/2015. [ADVISOR]
 7. Brock DeLong, Student Research Assistant, ElectroScience Laboratory, The Ohio State University, 12/2013– 12/2014. [ADVISOR]
 8. Samuel Luther, Student Research Assistant, ElectroScience Laboratory, The Ohio State University, 10/2013–05/2014. [ADVISOR]
 9. Michael Herman, Student Research Assistant, ElectroScience Laboratory, The Ohio State University, 12/2013–05/2014. [ADVISOR]
 10. Michael Zhang, Student Research Assistant, ElectroScience Laboratory, The Ohio State University, 06/2012-09/2012. [ADVISOR]
 11. Dimosthenis Zournatzis, “Bandwidth Enhancement of Implantable Antennas for Biomedical Telemetry,” Dept. of Electrical and Computer Engineering, National Technical University of Athens, 2013. [MENTOR DURING DIPLOMA THESIS RESEARCH]
 12. Evangelos Groupas, “Biocompatibility of Implantable Antennas and Wireless Connectivity with Wearable Antennas,” Dept. of Electrical and Computer Engineering, National Technical University of Athens, 2013. [MENTOR DURING DIPLOMA THESIS RESEARCH]
 13. Petros Haridimou, “Miniaturization vs. Performance Considerations for Implantable Antennas,” Dept. of Electrical and Computer Engineering, National Technical University of Athens, 2013. [MENTOR DURING DIPLOMA THESIS RESEARCH]
 14. Andromachi Kaltampani, “Assessment of the Telemetry Link between Implantable and Exterior Antennas,” Dept. of Electrical and Computer Engineering, National Technical University of Athens, 2012. [MENTOR DURING DIPLOMA THESIS RESEARCH]
 15. Konstantinos Psathas, “Design of Dual–Band Implantable Antennas for Medical Telemetry,” Dept. of Electrical and Computer Engineering, National Technical University of Athens, 2012. [MENTOR DURING DIPLOMA THESIS RESEARCH]
 16. Michail Tsakalakis, “Design of Miniature Antennas for Implantable Biomedical Devices,” Dept. of Electrical and Computer Engineering, National Technical University of Athens, 2011. [MENTOR DURING DIPLOMA THESIS RESEARCH]
- **High school students:**
 1. Samuel Ferguson (from Christian Unified High School, CA), “Textile RF Shielding Fabrics for Patients with Implants”, ElectroScience Laboratory, The Ohio State University, Jan. 2015. [ADVISOR]
 2. Samuel Ferguson (from Christian Unified High School, CA), “Protecting Pacemakers from Predators”, ElectroScience Laboratory, The Ohio State University, Feb. 2014. [ADVISOR]

7. TEACHING

2017:

- 3020: “Introduction to Electronics”, Department of Electrical & Computer Engineering, The Ohio State University.

2013:

- Teaching Assistant, “Bioelectromagnetics” [graduate course], Department of Electrical & Computer Engineering, National Technical University of Athens.

Topics: Computational methods to estimate EM fields inside the human body (MoM, FDTD, FEM), EM properties of biological tissues, Interaction of RF fields with biological tissues, Medical applications of RF EM fields, Safety issues and guidelines for limiting human exposure to RF EM fields.

2009–2013:

- Teaching Fellow, “Biomedical Engineering” [8th semester undergraduate course], Department of Electrical & Computer Engineering, National Technical University of Athens.
Topics: Numerical dosimetry, Experimental dosimetry, Numerical evaluation and experimental measurement of power absorbed by human models/phantoms due to RF radiation.
- Teaching Assistant, “Microwaves” [6th semester undergraduate course], Department of Electrical & Computer Engineering, National Technical University of Athens.
Topics: EM wave propagation phenomena in infinite space, Propagation phenomena in transmission lines, Impedance matching, Waveguides, Coaxial and microstrip transmission lines, Microwave network theory.
- Teaching Fellow, “Microwaves Lab” [6th semester undergraduate lab], Department of Electrical & Computer Engineering, National Technical University of Athens.
Topics: Use of CAD/CAE for microwave technologies, Transmission lines, Smith Chart.

8. SERVICE ACTIVITIES

KEYNOTE AND INVITED TALKS

1. “Materials that Enable and Enhance UX”, Wards Auto UX Conference, Novi, MI, Oct. 4, 2016. [*invited panel talk*]
2. “Wearable Antennas, Sensors and a Novel Class of Textiles”, Loughborough Antennas and Propagation Conference (LAPC 2015), Loughborough, UK, Nov. 2–3, 2015. [*keynote talk*]
3. “Neurosensing: Detecting Brain Signals Unobtrusively,” AFRL Discovery Lab Virtual Technology Conference, Sept. 28, 2014. [*keynote talk*]

EDITORIAL ACTIVITIES

- Associate Editor, IEEE Transactions on Antennas and Propagation, Aug. 2016 – ...
- Guest Editor, Special Issue on “Biosensors”, Springer Journal of Bio- and Tribo-Corrosion, 2016.
- Guest Editor, Special Issue on “Mobile and Wireless Technologies for Healthcare”, EAI Transactions on Pervasive Health and Technology, 2014.
- Volume Editor, Proceedings of the 2014 EAI 4th International Conference on Wireless Mobile Communication and Healthcare, 2014
- Editorial Board Member, Journal of Pervasive Health and Technology (JPHT), 2014 – ...

OUTREACH ACTIVITIES

1. “Computers in our Clothes” (presentation / demo), discoverTECH, organized by the Mansfield/Richland County Public Library, Mansfield, OH, May 2016. [*invited talk*]
2. “Computers in our Clothes” (presentation / demo), CoolTechGirls, organized by Pillar Technologies, Columbus, OH, May 2016. [*invited talk*]

SESSION ORGANIZATION

- European Conference on Antennas and Propagation (EuCAP), Special Session on “Wireless Sensors for Medical Applications: from Wearables to Implants”, Paris, France, 2017. (Co-Chair: Konstantina S. Nikita, National Technical University of Athens)

- URSI National Radio Science Meeting (URSI–NSRM), Special Session on “Wearable Antennas and Electronics”, Boulder, CO, Jan. 2017. (Co-Chair: Bashir Morshed, The University of Memphis)
- ElectroScience Laboratory Consortium on Electromagnetics and Radio Frequencies (ESL–CERF), Session on “Antenna Design and Development”, Columbus, OH, Aug. 2016. (Co-Chair: Teh-Hong Lee, The Ohio State University)
- International Symposium on Electromagnetic Theory (EMTS), Convened Session on “Wearable Antennas and Body-Centric Communications”, Espoo, Finland, Aug. 2016. (Co-Chairs: John L. Volakis, The Ohio State University, Hendrik Rogier, Ghent University, Sam Agneessens, Ghent University)
- URSI National Radio Science Meeting (URSI–NSRM), Special Session on “Wearable Antennas and Electronics”, Boulder, CO, Jan. 2016. (Co-Chair: Manos Tentzeris, Georgia Institute of Technology)
- ElectroScience Laboratory Consortium on Electromagnetics and Radio Frequencies (ESL–CERF), Session on “Antenna Design and Development”, Columbus, OH, Aug. 2015. (Co-Chair: Teh-Hong Lee, The Ohio State University)

COMMITTEES

- OSU-ECE Graduate Admissions Committee, 2016–...
- OSU ElectroScience Laboratory Director Search Committee, 2016–...
- OSU ElectroScience Laboratory Facilities Committee, 2016–...
- OSU ElectroScience Laboratory Annual Awards Committee Member, 2014.

REVIEWER OF SCIENTIFIC PROJECT PROPOSALS

- French National Research Agency, ANR (CfP on RHU-S, Hospital and Academic Research in Health Area), 2016 (reviewed 2 proposals).
- French National Research Agency, ANR (CfP on RHU-S, Hospital and Academic Research in Health Area), 2015 (reviewed 1 proposal).

REVIEWER OF SCIENTIFIC JOURNALS

- International Journal of Electronics and Communications, 2016 – ...
- IEEE Access, 2016 – ...
- Hindawi Journal of Medical Engineering, 2016 – ...
- Wiley Concepts in Magnetic Resonance Part B, 2016 – ...
- IOPscience Smart Materials and Structures, 2016 – ...
- IEEE Transactions on NanoBioscience, 2016 – ...
- IEEE Sensors Journal, 2015 – ...
- IET Healthcare Technology Letters (IET-HTL), 2015 – ...
- Journal of Electromagnetic Waves and Applications, 2015 – ...
- IEEE Journal of Biomedical and Health Informatics (IEEE-JBHI), 2014 – ...
- Wiley Int. Journal of RF and Microwave Computer-Aided Engineering, 2014 – ...
- IEEE Microwave and Wireless Components Letters (IEEE-MWCL), 2014 – ...
- IET Microwaves, Antennas and Propagation (IET-MAP), 2014 – ...
- Applied Computational Electromagnetics Society (ACES) Journal, 2014 – ...
- MDPI Sensors, 2014 – ...
- Electronics and Telecommunications Research Institute (ETRI) Journal, 2014 – ...
- Springer Medical and Biological Engineering and Computing (Springer-MBEC), 2014 – ...
- Journal of Communications Engineering and Networks (JCEN), 2014 – ...
- Wiley Bioelectromagnetics, 2013 – ...
- PLOS ONE, 2013 – ...

- Journal of Wireless Communications and Networks (JWCN), 2013 – 2014
- IEEE Transactions on Antennas and Propagation (IEEE-TAP), 2012 – ...
- IEEE Transactions on Microwave Theory and Techniques (IEEE-MTT), 2012 – ...
- IEEE Transactions on Biomedical Engineering (IEEE-TBME), 2012 – ...
- Journal of Medical and Biological Engineering (JMBE), 2012 – ...
- Bentham Science Neuroscience and Biomedical Engineering, 2012 – ...
- IEEE Antennas and Propagation Magazine, 2011 – ...
- IEEE Antennas and Wireless Propagation Letters (IEEE-AWPL), 2011 – ...

COMMITTEE MEMBER OF SCIENTIFIC CONFERENCES

- 2017 International Workshop on Antenna Technology (iWAT 2017), Athens, Greece, Mar. 1–3, 2017 | **TPC Member**
- 11th International Symposium on Medical Information and Communication Technology (ISMICT 2017), Lisbon, Portugal, Feb. 6–8, 2017 | **TPC Member**
- 6th International ICST Conference on Wireless Mobile Communication and Healthcare (MobiHealth 2016), Milan, Italy, Nov. 14–16, 2016 | **TPC Member**
- 4th IEEE International Workshop on e-Health Pervasive Wireless Applications and Services (eHPWAS 2016), New York, Oct. 17–20, 2016 | **TPC Member**
- 2nd IEEE International Conference on High Performance and Smart Computing (IEEE HPSC 2016), Manhattan, NY, Apr. 9–10, 2016 | **TPC Member**
- 3rd IEEE International Workshop on e-Health Pervasive Wireless Applications and Services (eHPWAS 2015), Abu Dhabi, UAE, Oct. 19, 2015 | **TPC Member**
- 5th International ICST Conference on Wireless Mobile Communication and Healthcare (MobiHealth 2015), London, UK, Oct. 14–16, 2015 | **TPC Member**
- 4th International ICST Conference on Wireless Mobile Communication and Healthcare (MobiHealth 2014), Athens, Greece, Nov. 3–5, 2014 | **Publications Chair** and **TPC Member**
- 2nd IEEE International Workshop on e-Health Pervasive Wireless Applications and Services (eHPWAS 2014), Larnaca, Cyprus, Oct. 8–10, 2014 | **TPC Member**
- 4th International Conference on Biomedical Engineering and Biotechnology (ICBEB 2014), Beijing, China, Sept. 19–21, 2014 | **TPC Member**
- 3rd International Conference on Biomedical Engineering and Biotechnology (ICBEB 2013), Wuhan, China, Oct. 11–13, 2013 | **TPC Member**
- 3rd International ICST Conference on Wireless Mobile Communication and Healthcare (MobiHealth 2012), Paris, France, Nov. 21–23, 2012 | **Workshops and Tutorials Chair**
- 2nd International ICST Conference on Wireless Mobile Communication and Healthcare (MobiHealth 2011), Kos Island, Greece, Oct. 5–7, 2011 | **Web Chair**
- 1st International ICST Conference on Wireless Mobile Communication and Healthcare (MobiHealth 2010), Ayia Napa, Cyprus, Oct. 18–20, 2010 | **Web Chair**

SESSION CHAIR AT SCIENTIFIC CONFERENCES

- 2016 USNC–URSI National Radio Science Meeting, Boulder, CO, Jan. 6–9, 2016 | Session: “*Wearable Antennas and Electronics*”
- 9th European Conference on Antennas and Propagation (EuCAP 2015), Lisbon, Portugal, Apr. 12–17, 2015 | Session: “*Antennas*”
- 2014 IEEE International Symposium on Antennas and Propagation, Memphis, Tennessee, Jul. 6–11, 2014 | Sessions: “*Tomography and Imaging*”, “*Wearable and Implantable Antennas*”
- 3rd International ICST Conference on Wireless Mobile Communication and Healthcare (MobiHealth 2012), Paris, France, Nov. 21–23, 2012 | Session: “*Implants*”

SCIENTIFIC / PROFESSIONAL SOCIETIES

- Secretary / Treasurer, Columbus Section of the IEEE Antennas and Propagation Society (AP-S) and IEEE Microwave Theory and Techniques Society (MTT-S) chapter, 2015 – ...
- Chair, IEEE Engineering in Medicine and Biology Society (EMB-S) Chapter of the IEEE National Technical University of Athens Student Branch, 2012–2013.
- Membership Development Officer, Greek Chapter of the IEEE Engineering in Medicine and Biology Society (EMB-S), 2010.
- Member of the Institute of Electrical and Electronics Engineers (IEEE), 2009 – ...
 - Member of the IEEE Antennas and Propagation Society
 - Member of the IEEE Microwave Theory and Techniques Society
- Member of the Technical Chamber of Greece, 2009 – ...

9. LANGUAGES

- Greek (native)
- English (fluent --- Certificate of Proficiency, University of Cambridge, 2000)
- French (fluent --- Diplôme de langue et littérature françaises (Sorbonne II), University of Paris-Sorbonne, 2001)

10. PUBLICATIONS

PATENTS AND DISCLOSURES

1. A. Kiourti, R. Lee, and J.L. Volakis, “Stretchable and Flexible Electronics and Methods of Making and Using the Same”, 2016. (provisional U.S. patent)
2. R. Burkholder, A. Kiourti, S. Shao, and J.L. Volakis, “RFID Tag”, Design Patent, 2016. (grant)

BOOK CHAPTERS

1. A. Kiourti and M. Tentzeris, “Flexible, Thin Film and Wearable Antennas,” in *Antenna Engineering Handbook 5th Ed.*, J.L. Volakis (Ed.), McGraw–Hill Education, 2016. (under preparation)
2. A. Kiourti, “Wearable Electronics for Intra–Body Communications,” in *Advances in Flexible and Wearable Electronics*, H. Khaleel (Ed.), United Scholars Publication, 2016.
3. A. Kiourti and K.S. Nikita, “Implanted Antennas in Biomedical Telemetry,” in *Handbook of Antenna Technologies*, Z.N. Chen (Ed.), Springer, 2015.
4. Z. Wang, J.L. Volakis and A. Kiourti, “Embroidered Antennas for Communication Systems,” in *Electronic Textiles: Smart Fabrics and Wearable Technology*, T. Dias (Ed.), Woodhead Publishing, 2015.
5. A. Kiourti and K.S. Nikita, “Numerical and Experimental Techniques for Body Area Electromagnetics,” in *Handbook of Biomedical Telemetry*, K.S. Nikita (Ed.), Wiley–IEEE Press, 2014.
6. K.A. Psathas, A. Kiourti, and K.S. Nikita, “Safety Issues in Biomedical Telemetry,” in *Handbook of Biomedical Telemetry*, K.S. Nikita (Ed.), Wiley–IEEE Press, 2014.
7. A. Kiourti and K.S. Nikita, “Antennas and RF Communication,” in *Handbook of Biomedical Telemetry*, K.S. Nikita (Ed.), Wiley–IEEE Press, 2014.
8. K.S. Nikita and A. Kiourti, “Mobile Communication Fields in Biological Systems,” in *Electromagnetic Field Coupling into Biological Systems*, J.C. Lin (Ed.), CRC Press, 2011.

JOURNAL PAPERS

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