

Curriculum Vitae

Name:	Achillefs D. Boursianis
Position:	Postdoctoral Researcher / Academic Fellow, School of Physics, Aristotle University of Thessaloniki
Studies:	<ul style="list-style-type: none"> • Ph.D. Degree, School of Physics, Aristotle University of Thessaloniki, 2017 • M.Sc. Degree in Electronic Physics (Radioelectrology), School of Physics, Aristotle University of Thessaloniki, 2005 • Degree in Physics, School of Physics, Aristotle University of Thessaloniki, 2001
Teaching activity:	<p>Teaching Courses:</p> <ul style="list-style-type: none"> • Laboratory in Communications and Networks, Undergraduate Studies, School of Physics, Aristotle University of Thessaloniki • Telecommunication and Computer Networks, Postgraduate Studies in Electronic Physics (Radioelectrology), School of Physics, Aristotle University of Thessaloniki
Scientific activity:	<ul style="list-style-type: none"> • Researcher at School of Physics, Aristotle University of Thessaloniki (A.U.Th. Research Committee) <p>List of selected research projects:</p> <ul style="list-style-type: none"> ○ HERMES project - Services provision on measurement, recording, validation, and publication results of electromagnetic radiation in the environment, 2003-2019 ○ Technical Support Consultant for the development of metropolitan fiber-optic networks in the region of Central Macedonia, 2004-2017 ○ PEDION24 – Services provision on measurement and publication results of the electromagnetic radiation in the environment, 2008-2020 ○ Development of a broadband monitoring network for electromagnetic radiation assessment, 2009-2012 ○ Sound Exposure and Risk Assessment of Wireless Network Devices (SEAWIND), 2010-2012 ○ RF/RFID systems development for monitoring and recording products and personnel, 2012-2015 ○ Innovative techniques for the transmission and design of wireless broadband networks, 2012-2015 ○ Advancing Rational Exploitation of waTer for IrrigatiOn Using 5G-IoT cAbilities, 2019-today ○ Design of radio frequency energy harvesting systems for mobile and wireless communication networks, 2019-σήμερα <ul style="list-style-type: none"> • Reviewer for 10 international journals

	<ul style="list-style-type: none"> • Editorial board member of the “Telecom” peer-reviewed open access journal • Member of the technical program committee in 3 international conferences • Member of the following scientific associations: IEEE, FITCE, IAENG, Hellenic Physical Society
Research activity:	<p>List of selected publications:</p> <ol style="list-style-type: none"> 1. A. Boursianis, P. Vantias, and T. Samaras, "Measurements for assessing the exposure from 3G femtocells", <i>Radiation Protection Dosimetry</i>, vol. 150, no. 2, pp. 158-167, 2012. doi: 10.1093/rpd/ncr398 2. F. Mavromatis, A. Boursianis, T. Samaras, C. Koukourlis, and J. N. Sahalos, "A broadband monitoring system for electromagnetic-radiation assessment", <i>IEEE Antennas and Propagation Magazine</i>, vol. 51, no. 1, pp. 71-79, 2009. doi: 10.1109/MAP.2009.4939020 3. A. Manassas, A. Boursianis, T. Samaras, and J. N. Sahalos, "Continuous electromagnetic radiation monitoring in the environment: Analysis of the results in Greece", <i>Radiation Protection Dosimetry</i>, vol. 151, no. 3, pp. 437-442, 2012. doi: 10.1093/rpd/ncs028 4. A. C. Polycarpou, A. Boursianis, T. Samaras, A. Bletsas, and J. N. Sahalos, "Design procedure of UHF RFID reader antennas based on ETSI and FCC standards", <i>Wireless Power Transfer</i>, vol. 2, no. 1, pp 32-43, 2015. doi: 10.1017/wpt.2015.1 5. S. K. Goudos, T. V. Yioultsis, A. D. Boursianis, K. E. Psannis, and K. Siakavara, "Application of New Hybrid Jaya Grey Wolf Optimizer to Antenna Design for 5G Communications Systems," in <i>IEEE Access</i>. doi: 10.1109/ACCESS.2019.2919116 6. Achilles D. Boursianis, Maria S. Papadopoulou, Panagiotis Diamantoulakis, Aglaia Liopa-Tsakalidi, Pantelis Barouchas, George Salahas, George Karagiannidis, Shaohua Wan, Sotirios K. Goudos, "Internet of Things (IoT) and Agricultural Unmanned Aerial Vehicles (UAVs) in smart farming: A comprehensive review," <i>Internet of Things</i>, 2020. doi: 10.1016/j.iot.2020.100187 7. P. Doanis, A. D. Boursianis, J. Huillery, A. Bréard, Y. Duroc, and S. K. Goudos, "Differential Evolution in Waveform Design for Wireless Power Transfer," <i>Telecom 2020</i>, 1, 96-113. doi: 10.3390/telecom1020008