

Prof. Hervé AUBERT

National Polytechnic Institute of Toulouse, France
Laboratory for Analysis and Architecture of Systems – National Centre for Scientific Research, France
Tel : 33 5 61 33 63 61 (Lab. Office)
Tel : 33 6 33 74 81 72 (Mobile)
E-mail : aubert@enseiht.fr – aubert@laas.fr

1. BIOGRAPHY

Hervé Aubert was born in Toulouse, France, in July 1966. He received the Eng. Dipl. in July 1989 and the Ph.D. degree (with high-honors) in January 1993, both in Electrical Engineering and both from the National Polytechnic Institute (INPT), Toulouse, France. From April 1997 to March 1998 he was a Visiting Associate Professor at the School of Engineering and Applied Science, University of Pennsylvania, Philadelphia, USA. Since February 2001 Hervé Aubert is Professor at the National Polytechnic Institute. He has joined the Laboratory for the Analysis and Architecture of Systems (LAAS), National Centre for Scientific Research (CNRS), France, in February 2006.

From September 2004 to September 2011, H. Aubert was the Head of the Research Master Program in Microwaves, Electromagnetism and Optoelectronics, Toulouse, France. He was the co-Chairman of the Electronics Laboratory of INPT (July 2001–January 2005), the Head of the Electromagnetics Research Group of this Laboratory (July 2002–September 2005) and of the Micro- and Nano-systems for Wireless Communications Research Group at LAAS-CNRS (January 2015–December 2020).

H. Aubert has performed research works on integral-equation and variational methods applied to electromagnetic wave propagation and scattering. Currently, his research activities involve the electromagnetic modelling of complex (multi-scale) structures, and the design of passive millimeterwave circuits and wireless sensors. He has authored or co-authored one book (in French, 2003), 3 book chapters [Fractals: Theory and Applications in Engineering (Springer, 1999), New Trends and Concepts in Microwave Theory and Techniques (Research Signpost, 2003), and Advances in Sensors, Big Data and Machine Learning in Intelligent Animal Farming (Multidisciplinary Digital Publishing Institute 2022)], 102 papers in refereed journals, 219 communications in international symposium proceedings, and 37 invited communications in international conferences, workshops and convened sessions. He holds 9 international patents.

H. Aubert serves as a Subject Editor in-Chief (since 2020) and Subject Editor (since 2016) of Electronics Letters. He served as an Associate Editor for this Journal from 2015 to 2016. H. Aubert serves as a regular reviewer for IEEE Transactions on Antennas and Propagation and IEEE Antennas and Wireless Propagation Letters.

H. Aubert was the General Chairman of the European Microwave Week in 2015, Paris, France. He was the member of the Technical Program Committee of the following international conferences: the European Microwave Week, every year from 2013 to 2019; the European Conference on Antennas and Propagation [meta-reviewer], every year since 2017; the IEEE International Symposium on Robotic and Sensors Environments, 2019; the IEEE International Symposium on Medical Information and Communication Technology, 2018 & 2019; the IEEE Conference on RFID Technologies and Applications, 2014; and the Symposium on Antenna Technology and applied ElectroMagnetics, 2012. He was the chair or co-chair of 21 technical sessions in international conferences.

H. Aubert received the *Certificate from IEEE Antennas and Propagation Society* in Recognition and Appreciation for Exceptional Performance as a Reviewer of the IEEE Transactions on Antennas and Propagation in 2021 and 2022, the *Best Reviewer Award of Information & Communications Technology Express* in 2019, and the *European Microwave Association Award* in Recognition of Distinguished Service as General Chairman of the European Microwave Week 2015.

2. ACTIVITIES

Head of Reseach Teams and Educational Programs

Jan. 2015 – Dec. 2020	Head of the Micro- and Nano-systems for <i>Wireless Communications Research Group</i> at LAAS-CNRS, France
Sept. 2004 – Sept. 2011	Head of the Research Master Program in Microwaves, Electromagnetism and Optoelectronics, Toulouse, France
July 2002 – Sept. 2005	Head of the <i>Electromagnetics Research Group</i> , Electronics Laboratory, Institut National Polytechnique, Toulouse, France

July 2001 – Jan. 2005 Co-chair, *Electronics Laboratory*, Institut National Polytechnique, Toulouse, France

Member of the Editorial Board of International Journals

May 2020 – present Subject Editor in-Chief for *Electronics Letters*
[*Electronics Letters* is a peer-reviewed rapid communication international Journal published by the *Institution of Engineering and Technology*, United Kingdom]

Oct. 2016 – present Subject Editor for *Electronics Letters*

Nov. 2014 – present Member of the Editorial Board for *International Journal of Antennas and Propagation*

July 2015 – Oct. 2016 Associate Editor for *Electronics Letters*

Organization of International Conferences

General Chairman of the *European Microwave Week 2015* (EuMW 2015), 6-11 Sept. 2015, Palais des Congrès, Paris. [*European Microwave Week* is Europe's premier microwave, RF, wireless and Radar Event: 3 International Conferences, 1396 Delegates, 302 Exhibitors, and 4754 attendees from about 50 Countries]

Member of Technical Program Committees of International Conferences

- *European Conference on Antennas and Propagation* [Meta-reviewer], every year since 2017
- *European Microwave Week*, every year from 2013 to 2019
- *International Conference on Sensor Device Technologies & Applications*, 16-20 Oct. 2022, Lisbon, Portugal, 14-18 Nov. 2021, Athens, Greece
- *Electronics*, 13-15 June 2022, Palanga, Lithuania, and 14-16 June 2021, Palanga, Lithuania
- *International Conference on Wireless Technologies, embedded and Intelligent Systems*, 14-16 Oct. 2020, Fez & 24-26 Nov. 2021, Tangier, Morocco
- *IEEE International Symposium on Medical Information and Communication Technology*, 8-10 May 2019, Oslo, Norway
- *IEEE International Symposium on Robotic and Sensors Environments*, 17-18 June 2019, Ottawa, Ontario, Canada
- *IEEE International Symposium on Medical Information & Communication Technology*, 26-28 Mar. 2018, Sydney, Australia
- *38th ESA Antenna Workshop*, ESA/ESTEC, 3-6 Oct. 2017, Noordwijk, Netherlands
- *IEEE Conference on RFID Technologies and Applications*, 8-9 Sept. 2014, Tampere, Finland

Expertises for International Institutions

- Member of the International Panel for permanent position at *Universitat Rovira i Virgili, Tarragone, Spain* : Competition call to contract permanent members of teaching and research staff. Serra Hunter program (2016)
- Expertises for the *European Commission* of the FP7 SARABAND project (2012-2015)
- Expertise for the *Barts and The London Charity*, London, UK (2013)
- Expertises for the « Fonds Québécois de Recherche sur la Nature et les Technologies à Québec » (2003, 2005)

Expertises for french National Institutions

- Expertises for the french National Agency for Research (ANR). 38 expertises on submitted projects since 2009
- Expertises for The Higher Council for the Evaluation of Research and Higher Education (HCERES): *XLim* in 2021, *Supelec Onera NUS DSO Research Alliance* in 2019, *Institut des Matériaux, de Microélectronique et des Nanosciences de Provence* in 2017, *Laboratoire d'Electronique Antennes et Télécommunications* in 2017 & 2023, and *Institut de Recherche en Systèmes Électroniques Embarqués* in 2015
- Expertises for the *Région Nouvelle-Aquitaine* (4 expertises on submitted research projects since 2017)
- Expertises for the Call of Projects « Projets Exploratoires Premier Soutien » (PEPS) of the french *National Center for Scientific Research* (CNRS) & *Directorate General of Armaments* (DGA) in 2016
- Expertises for the french Agency for Food, Environmental and Occupational Health & Safety in 2013 & 2014

Member of french National Institutions

2011 – 2019 Member of the *National Committee of Universities* (CNU, Conseil National des Universités)

2017 – 2019 Member of the ASTRID evaluation Committee of the *National Agency for Research* (ANR, Agence Nationale de la Recherche).

2019 Chairman of the evaluation committee of the *Higher Council for the Evaluation of Research and Higher Education* (HCERES, Haut Conseil de l'Évaluation de la Recherche et de l'Enseignement Supérieur) for the Laboratory *Supelec Onera NUS DSO Research Alliance* (SONDRA)

2013 Chairman of the *National Evaluation Committee for the Scientific Excellence Grant Contest* (PES, Prime d'Excellence Scientifique); Member of the Committee in 2011

Opponent and Reviewer for PhD Defense Examination Committees

- Opponent for 85 PhD french Defense Examination Committees (including 7 Committees as a chair of the Committee and 71 as a reviewer of the PhD Thesis), and for 6 international PhD Defense Examination Committees (including 5 Committees in the USA and 1 in the United Kingdom)
- Opponent for the Defense Examination Committee of 6 “Habilitation à Diriger des Recherches” (with the exception of committees in the University of Toulouse)
- Advisor or co-advisor of 35 PhD students since 1998

International Awards and Certificates

- 2022 Certificate from IEEE Antennas and Propagation Society (APS) in recognition and appreciation for “Exceptional Performance from May 1, 2020 to April 30, 2021 as a Reviewer of the IEEE Transactions on Antennas and Propagation”
- 2021 Certificate from IEEE Antennas and Propagation Society (APS) in recognition and appreciation for “Exceptional Performance from May 1, 2019 to April 30, 2020 as a Reviewer of the IEEE Transactions on Antennas and Propagation”
- 2019 Information & Communications Technology (ICT) Express 2019 Best Reviewer Award
- 2016 European Microwave Association (EuMA) Award in recognition of “Distinguished Service as General Chairman of the European Microwave Week 2015 in Paris”