



**Elenco dei titoli e delle pubblicazioni
scientifiche**
**Settore Concorsuale:09/F1 - CAMPI
ELETTROMAGNETICI**
Prima Fascia

Giuseppe VECCHI

Posizione accademica

Settore Scientifico Disciplinare:	ING-INF/02 - Campi elettromagnetici
Qualifica:	Professore Ordinario
Anzianità nel ruolo:	01/10/2000
Sede Universitaria:	Politecnico di TORINO
Struttura di afferenza (dipartimento o altro):	ELETTRONICA E TELECOMUNICAZIONI

Posizioni ricoperte precedentemente nel medesimo ateneo o in altri

Periodo	Fascia	Ateneo
16/12/1989	Ricercatore Universitario	Politecnico di TORINO
01/11/1992	Professore II Fascia	Politecnico di TORINO
01/10/2000	Professore I Fascia	Politecnico di TORINO



Pubblicazioni scientifiche

1	2020	<p>Articolo in rivista Sozio, V., Martini, E., Caminita, F., De Vita, P., Faenzi, M., Giacomini, A., Sabbadini, M., Maci, S., Vecchi, G. (2020). Design and Realization of a Low Cross-Polarization Conical Horn with Thin Metasurface Walls. IEEE TRANSACTIONS ON ANTENNAS AND PROPAGATION, p. 1, ISSN: 0018-926X, doi: 10.1109/TAP.2020.2975253</p>
2	2020	<p>Articolo in rivista Gaffoglio R., Righero M., Giordanengo G., Zucchi M., Vecchi G. (2020). Fast Optimization of Temperature Focusing in Hyperthermia Treatment of Sub-Superficial Tumors. IEEE JOURNAL OF ELECTROMAGNETICS, RF AND MICROWAVES IN MEDICINE AND BIOLOGY., ISSN: 2469-7249, doi: 10.1109/JERM.2020.3043383</p>
3	2020	<p>Articolo in rivista Tobon Vasquez, Jorge A., Peng, Zhen, Lee, Jin-Fa, Vecchi, Giuseppe, Vipiana, Francesca (2020). Automatic Localized Nonconformal Mesh Refinement for Surface Integral Equations. IEEE TRANSACTIONS ON ANTENNAS AND PROPAGATION, vol. 68, p. 967-975, ISSN: 0018-926X, doi: 10.1109/TAP.2019.2944551</p>
4	2020	<p>Articolo in rivista Mengmeng Li, Yanmeng Hu, Rushan Chen, Giuseppe Vecchi (2020). Electromagnetic Modeling of Moving Mixed Conductive and Dielectric BoRs with an Effective Domain Decomposition Method. IEEE TRANSACTIONS ON ANTENNAS AND PROPAGATION, p. 7978-7985, ISSN: 0018-926X, doi: 10.1109/tap.2020.2998914</p>
5	2020	<p>Articolo in rivista Zucchi, Marcello, Giordanengo, Giorgio, Righero, Marco, Vecchi, Giuseppe (2020). First demonstration of machine-designed ultra-flat, low-cost directive antenna. SCIENTIFIC REPORTS, vol. 10, p. 1-9, ISSN: 2045-2322, doi: 10.1038/s41598-020-67354-2</p>
6	2019	<p>Articolo in rivista Ciccia S., Giordanengo G., Vecchi G. (2019). Energy Efficiency in IoT Networks: Integration of Reconfigurable Antennas in Ultra Low-Power Radio Platforms Based on System-on-Chip. IEEE INTERNET OF THINGS JOURNAL, vol. 6, p. 6800-6810, ISSN: 2327-4662, doi: 10.1109/JIOT.2019.2911557</p>
7	2018	<p>Articolo in rivista Li M., Francavilla M. A., Ding D., Chen R., Vecchi G. (2018). Mixed-form nested approximation for wideband multiscale simulations. IEEE TRANSACTIONS ON ANTENNAS AND PROPAGATION, vol. 66, p. 6128-6136, ISSN: 0018-926X, doi: 10.1109/TAP.2018.2864334</p>



8	2018	Articolo in rivista Gaffoglio, R., Cagliero, A., Vecchi, G., Andriulli, F. P., VECCHI, Giuseppe (2018). Vortex Waves and Channel Capacity: Hopes and Reality. IEEE ACCESS, vol. 6, p. 19814-19822, ISSN: 2169-3536, doi: 10.1109/ACCESS.2017.2786467
9	2018	Articolo in rivista Gavazzi, Soraya, Limone, Paolo, De Rosa, Giovanni, Molinari, Filippo, Vecchi, Giuseppe (2018). Comparison of microwave dielectric properties of human normal, benign and malignant thyroid tissues obtained from surgeries: A preliminary study. BIOMEDICAL PHYSICS & ENGINEERING EXPRESS, vol. 4, ISSN: 2057-1976, doi: 10.1088/2057-1976/aa9f77
10	2017	Articolo in rivista CICCIA, SIMONE, Giordanengo, Giorgio, VECCHI, Giuseppe (2017). Open-source implementation of an ad-hoc IEEE802.11a/g/p software-defined radio on low-power and low-cost general purpose processors. RADIOENGINEERING, vol. 26, p. 1083-1095, ISSN: 1210-2512, doi: 10.13164/re.2017.1083
11	2017	Articolo in rivista Li, Mengmeng, Francavilla, Matteo Alessandro, Chen, Rushan, VECCHI, Giuseppe (2017). Nested Equivalent Source Approximation for the Modeling of Penetrable Bodies. IEEE TRANSACTIONS ON ANTENNAS AND PROPAGATION, vol. 65, p. 954-959, ISSN: 0018-926X, doi: 10.1109/TAP.2016.2632518
12	2017	Articolo in rivista ARIANOS, SERGIO, Quijano, J. L. Araque, DASSANO, Gianluca, VIPIANA, Francesca, OREFICE, Mario, VECCHI, Giuseppe (2017). Automated Design and Experimental Validation of a Reconfigurable, Board-Mounted Compact Antenna. IEEE ANTENNAS AND WIRELESS PROPAGATION LETTERS, vol. 16, p. 589-592, ISSN: 1536-1225, doi: 10.1109/LAWP.2016.2591326
13	2017	Articolo in rivista Khalaj-Amirhosseini, Mohammad, Vecchi, Giuseppe, Pirinoli, Paola (2017). Near-Chebyshev Pattern for Nonuniformly Spaced Arrays Using Zeros Matching Method. IEEE TRANSACTIONS ON ANTENNAS AND PROPAGATION, vol. 65, p. 5155-5161, ISSN: 0018-926X, doi: 10.1109/TAP.2017.2737041
14	2017	Articolo in rivista Giordanengo, Giorgio, Righero, Marco, Araque Quijano, Javier Leonardo, Vipiana, Francesca, Vecchi, Giuseppe (2017). Probe-compensated fast hybrid antenna testing. IET MICROWAVES, ANTENNAS & PROPAGATION, vol. 11, p. 1687-1694, ISSN: 1751-8725, doi: 10.1049/iet-map.2016.1002
15	2016	Articolo in rivista ZUBAIR, MUHAMMAD, FRANCAVILLA, MATTEO ALESSANDRO, ZHENG, DEPING, VIPIANA, Francesca, VECCHI, Giuseppe (2016). Dual-Surface Electric Field Integral Equation Solution of Large Complex Problems. IEEE TRANSACTIONS ON ANTENNAS AND PROPAGATION, vol. 64, p. 2577-2582, ISSN: 0018-926X, doi: 10.1109/TAP.2016.2552549



16	2016	Articolo in rivista RIGHERO, MARCO, BULAI, IULIA MARTINA, FRANCAVILLA, MATTEO ALESSANDRO, VIPIANA, Francesca, Bercigli, M., Mori, A., Bandinelli, M., VECCHI, Giuseppe (2016). Hierarchical Bases Preconditioner to Enhance Convergence of CFIE With Multiscale Meshes. IEEE ANTENNAS AND WIRELESS PROPAGATION LETTERS, vol. 15, p. 1901-1904, ISSN: 1536-1225, doi: 10.1109/LAWP.2016.2542878
17	2015	Articolo in rivista M. Li, FRANCAVILLA, MATTEO ALESSANDRO, R. Chen, VECCHI, Giuseppe (2015). Wideband Fast Kernel-Independent Modeling of Large Multiscale Structures Via Nested Equivalent Source Approximation. IEEE TRANSACTIONS ON ANTENNAS AND PROPAGATION, vol. 63, p. 2122-2134, ISSN: 0018-926X, doi: 10.1109/TAP.2015.2402297
18	2015	Articolo in rivista FRANCAVILLA, MATTEO ALESSANDRO, E. Martini, S. Maci, VECCHI, Giuseppe (2015). On the Numerical Simulation of Metasurfaces With Impedance Boundary Condition Integral Equations. IEEE TRANSACTIONS ON ANTENNAS AND PROPAGATION, vol. 63, p. 2153-2161, ISSN: 0018-926X, doi: 10.1109/TAP.2015.2407372
19	2015	Articolo in rivista ECHEVERRI BAUTISTA, MARIO ALBERTO, VIPIANA, Francesca, FRANCAVILLA, MATTEO ALESSANDRO, TOBON VASQUEZ, JORGE ALBERTO, VECCHI, Giuseppe (2015). A nonconformal domain decomposition scheme for the analysis of multiscale structures. IEEE TRANSACTIONS ON ANTENNAS AND PROPAGATION, vol. 63, p. 3548-3560, ISSN: 0018-926X, doi: 10.1109/TAP.2015.2430873
20	2014	Articolo in rivista Echeverri Bautista M. A., FRANCAVILLA, MATTEO ALESSANDRO, VIPIANA, Francesca, VECCHI, Giuseppe (2014). A Hierarchical Fast Solver for EFIE-MoM Analysis of Multiscale Structures at Very Low Frequencies. IEEE TRANSACTIONS ON ANTENNAS AND PROPAGATION, vol. 62, p. 1523-1528, ISSN: 0018-926X, doi: 10.1109/TAP.2013.2296327
21	2014	Articolo in rivista J. Araque, VECCHI, Giuseppe (2014). Comments on "An Efficient Approach for Optimizing Frequency Reconfigurable Pixel Antennas Using Genetic Algorithms". IEEE TRANSACTIONS ON ANTENNAS AND PROPAGATION, vol. 62, p. 3440, ISSN: 0018-926X, doi: 10.1109/TAP.2014.2322865
22	2014	Articolo in rivista L. Foged, L. Scialacqua, F. Saccardi, J. A. Quijano, VECCHI, Giuseppe (2014). Application of the Dual-Equation Equivalent-Current Reconstruction to Electrically Large Structures by Fast Multipole Method Enhancement [AMTA Corner]. IEEE ANTENNAS & PROPAGATION MAGAZINE, vol. 56, p. 264-273, ISSN: 1045-9243, doi: 10.1109/MAP.2014.6971966



23	2014	Articolo in rivista E. Attardo, VECCHI, Giuseppe, L. Crocco (2014). Contrast Source Extended Born Inversion in Noncanonical Scenarios Via FEM Modeling. IEEE TRANSACTIONS ON ANTENNAS AND PROPAGATION, vol. 62, p. 4674-4685, ISSN: 0018-926X, doi: 10.1109/TAP.2014.2336259
24	2014	Articolo in rivista J. A. Quijano, RIGHERO, MARCO, VECCHI, Giuseppe (2014). Sparse 2-D Array Placement for Arbitrary Pattern Mask and With Excitation Constraints: A Simple Deterministic Approach. IEEE TRANSACTIONS ON ANTENNAS AND PROPAGATION, vol. 62, p. 1652-1662, ISSN: 0018-926X, doi: 10.1109/TAP.2013.2288363
25	2014	Articolo in rivista Li M., FRANCAVILLA, MATTEO ALESSANDRO, VIPIANA, Francesca, VECCHI, Giuseppe, Chen R. (2014). Nested Equivalent Source Approximation for the Modeling of Multiscale Structures. IEEE TRANSACTIONS ON ANTENNAS AND PROPAGATION, vol. 62, p. 3664-3678, ISSN: 0018-926X, doi: 10.1109/TAP.2014.2321139
26	2014	Articolo in rivista Li M., FRANCAVILLA, MATTEO ALESSANDRO, VIPIANA, Francesca, VECCHI, Giuseppe, Fan Z., Chen R. (2014). A Doubly Hierarchical MoM for High-Fidelity Modeling of Multiscale Structures. IEEE TRANSACTIONS ON ELECTROMAGNETIC COMPATIBILITY, vol. 56, p. 1103-1111, ISSN: 0018-9375, doi: 10.1109/TEMC.2014.2306691
27	2014	Articolo in rivista VIPIANA, Francesca, Bercigli M., Echeverri Bautista M. A., Bandinelli M., VECCHI, Giuseppe (2014). Incremental Multilevel Filling and Sparsification for the MoM Solution of Multi-Scale Structures at Low Frequencies. IEEE TRANSACTIONS ON ELECTROMAGNETIC COMPATIBILITY, vol. 56, p. 1707-1710, ISSN: 0018-9375, doi: 10.1109/TEMC.2014.2321579
28	2014	Articolo in rivista ARIANOS, SERGIO, FRANCAVILLA, MATTEO ALESSANDRO, RIGHERO, MARCO, VIPIANA, Francesca, SAVI, Patrizia, S. Bertuol, M. Ridel, J. P. Parmantier, L. Pisu, M. Bozzetti, VECCHI, Giuseppe (2014). Evaluation of the Modeling of an Aircraft Cable-Harness Submitted to an EM Illumination. IEEE TRANSACTIONS ON ELECTROMAGNETIC COMPATIBILITY, vol. 56, p. 844-853, ISSN: 0018-9375, doi: 10.1109/TEMC.2014.2312752
29	2014	Articolo in rivista GIORDANENGO, GIORGIO, RIGHERO, MARCO, VIPIANA, Francesca, VECCHI, Giuseppe, Sabbadini M. (2014). Fast Antenna Testing With Reduced Near Field Sampling. IEEE TRANSACTIONS ON ANTENNAS AND PROPAGATION, vol. 62, p. 2501-2513, ISSN: 0018-926X, doi: 10.1109/TAP.2014.2309338



30	2013	Articolo in rivista Foged L. J., Scialacqua L., Saccardi F., Bandinelli M., Bercigli M., Guida G., GIORDANENGO, GIORGIO, VIPIANA, Francesca, Sabbadini M., VECCHI, Giuseppe (2013). Satellite Near-Field Testing and Verification Using Physics-Based Interpolation Technique and Optimum Sampling. IEEE ANTENNAS & PROPAGATION MAGAZINE, vol. 55, p. 262-270, ISSN: 1045-9243, doi: 10.1109/MAP.2013.6781742
31	2013	Articolo in rivista ATTARDO, ELIA AMEDEO, A. Borsic, VECCHI, Giuseppe, P. M. Meaney (2013). Whole-System Electromagnetic Modeling for Microwave Tomography. IEEE ANTENNAS AND WIRELESS PROPAGATION LETTERS, vol. 11, p. 1618-1621, ISSN: 1536-1225, doi: 10.1109/LAWP.2013.2237745
32	2013	Articolo in rivista ATTARDO, ELIA AMEDEO, FRANCAVILLA, MATTEO ALESSANDRO, VIPIANA, Francesca, VECCHI, Giuseppe (2013). Investigation on accelerating FFT-based methods for the EFIE on graphics processors. INTERNATIONAL JOURNAL OF NUMERICAL MODELLING-ELECTRONIC NETWORKS DEVICES AND FIELDS, vol. 26, p. 324-336, ISSN: 0894-3370, doi: 10.1002/jnm.1867
33	2013	Articolo in rivista L. Foged, L. Scialacqua, F. Mioc, F. Saccardi, P. Iversen, L. Shmidov, R. Braun, J. Quijano, VECCHI, Giuseppe (2013). Echo Suppression by Spatial-Filtering Techniques in Advanced Planar and Spherical Near-Field Antenna Measurements [AMTA Corner]. IEEE ANTENNAS & PROPAGATION MAGAZINE, vol. 55, p. 235-242, ISSN: 1045-9243, doi: 10.1109/MAP.2013.6735525
34	2012	Articolo in rivista Bertuch T., VIPIANA, Francesca, VECCHI, Giuseppe (2012). Efficient Analysis of Printed Structures of Arbitrary Shape on Coated Cylinders Via Spatial-Domain Mixed-Potential Green's Function. IEEE TRANSACTIONS ON ANTENNAS AND PROPAGATION, vol. 60, p. 1425-1439, ISSN: 0018-926X, doi: 10.1109/TAP.2011.2180343
35	2012	Articolo in rivista MILANESIO, DANIELE, MENEGHINI, ORSO-MARIA, MAGGIORA, Riccardo, Guadamuz S., Hillairet J., LANCELLOTTI, Vito, VECCHI, Giuseppe (2012). TOPLHA: an accurate and efficient numerical tool for analysis and design of LH antennas. NUCLEAR FUSION, vol. 52, ISSN: 0029-5515, doi: 10.1088/0029-5515/52/1/013008
36	2012	Articolo in rivista FRANCAVILLA, MATTEO ALESSANDRO, VIPIANA, Francesca, VECCHI, Giuseppe, Wilton D. R. (2012). Hierarchical fast MoM solver for the modeling of large multi-scale wire-surface structures. IEEE ANTENNAS AND WIRELESS PROPAGATION LETTERS, vol. 11, p. 1378-1381, ISSN: 1536-1225, doi: 10.1109/LAWP.2012.2227927
37	2012	Articolo in rivista F. Andriulli, VECCHI, Giuseppe (2012). A Helmholtz-Stable Fast Solution of the Electric Field Integral Equation. IEEE TRANSACTIONS ON ANTENNAS AND PROPAGATION, vol. 60, p. 2357-2366, ISSN: 0018-926X, doi: 10.1109/TAP.2012.2189693



38	2012	Articolo in rivista Casaletti M., Della Giovampaola C., Maci S., VECCHI, Giuseppe (2012). Entire-Domain Basis Functions for Scattering From Large Curved Surfaces Formulated by Transformation Optics. IEEE TRANSACTIONS ON ANTENNAS AND PROPAGATION, vol. 60, p. 4271-4280, ISSN: 0018-926X, doi: 10.1109/TAP.2012.2207040
39	2012	Articolo in rivista ARAQUE QUIJANO, JAVIER LEONARDO, VECCHI, Giuseppe (2012). Optimization of a Compact Frequency- and Environment-Reconfigurable Antenna. IEEE TRANSACTIONS ON ANTENNAS AND PROPAGATION, vol. 60, p. 2682-2689, ISSN: 0018-926X, doi: 10.1109/TAP.2012.2194634
40	2012	Articolo in rivista Foged L. J., Scialacqua L., Saccardi F., Quijano J. L. A., VECCHI, Giuseppe, Sabbadini M. (2012). Practical Application of the Equivalent Source Method as an Antenna Diagnostics Tool. IEEE ANTENNAS & PROPAGATION MAGAZINE, vol. 54, p. 243-249, ISSN: 1045-9243, doi: 10.1109/MAP.2012.6348170
41	2011	Articolo in rivista Araque Quijano J. L., Scialacqua L., Zackrisson J., Foged L. J., Sabbadini M., VECCHI, Giuseppe (2011). "Suppression of Undesired Radiated Fields Based on Equivalent Currents Reconstruction From Measured Data". IEEE ANTENNAS AND WIRELESS PROPAGATION LETTERS, vol. 10, p. 314-317, ISSN: 1536-1225, doi: 10.1109/LAWP.2011.2135831
42	2011	Articolo in rivista Attardo E. A., Isernia T., VECCHI, Giuseppe (2011). FIELD SYNTHESIS IN INHOMOGENEOUS MEDIA: JOINT CONTROL OF POLARIZATION, UNIFORMITY AND SAR IN MRI B1-FIELD. ELECTROMAGNETIC WAVES, vol. 118, p. 355-377, ISSN: 1070-4698
43	2011	Articolo in rivista Casaletti M., Maci S., VECCHI, Giuseppe (2011). A complete set of Linear-Phase basis functions for scatterers with flat faces and for planar apertures. IEEE TRANSACTIONS ON ANTENNAS AND PROPAGATION, vol. 59, p. 563-573, ISSN: 0018-926X, doi: 10.1109/TAP.2010.2096178
44	2011	Articolo in rivista A. Freni, P. De Vita, PIRINOLI, Paola, MATEKOVITS, Ladislau, VECCHI, Giuseppe (2011). Fast-Factorization Acceleration of MoM Compressive Domain-Decomposition. IEEE TRANSACTIONS ON ANTENNAS AND PROPAGATION, vol. 59, p. 4588-4599, ISSN: 0018-926X, doi: 10.1109/TAP.2011.2165474
45	2011	Articolo in rivista Attardo E. A., Isernia T., VECCHI, Giuseppe (2011). Field Synthesis in Inhomogeneous Media: Joint Synthesis Control of Polarization, Uniformity and SAR in MRI B1-field. ELECTROMAGNETIC WAVES, vol. 118, p. 355-377, ISSN: 1070-4698, doi: 10.2528/PIER11051910



46	2010	Articolo in rivista ARAQUE QUIJANO, JAVIER LEONARDO, VECCHI, Giuseppe (2010). Field And Source Equivalence In Source Reconstruction On 3D Surfaces. ELECTROMAGNETIC WAVES, vol. 103, p. 67-100, ISSN: 1559-8985
47	2010	Articolo in rivista VIPIANA, Francesca, FRANCAVILLA, MATTEO ALESSANDRO, VECCHI, Giuseppe (2010). EFIE Modeling of High-Definition Multiscale Structures. IEEE TRANSACTIONS ON ANTENNAS AND PROPAGATION, vol. 58, p. 2362-2374, ISSN: 0018-926X, doi: 10.1109/TAP.2010.2048855
48	2010	Articolo in rivista ANDRIULLI, FRANCESCO PAOLO, TABACCO, Anita Maria, VECCHI, Giuseppe (2010). Solving the EFIE at Low Frequencies With a Conditioning That Grows Only Logarithmically With the Number of Unknowns. IEEE TRANSACTIONS ON ANTENNAS AND PROPAGATION, vol. 58, p. 1614-1624, ISSN: 0018-926X, doi: 10.1109/TAP.2010.2044325
49	2010	Articolo in rivista ARAQUE QUIJANO, JAVIER LEONARDO, VECCHI, Giuseppe (2010). Alternating Adaptive Projections in Antenna Synthesis. IEEE TRANSACTIONS ON ANTENNAS AND PROPAGATION, vol. 58, p. 727-737, ISSN: 0018-926X, doi: 10.1109/TAP.2009.2039307
50	2010	Articolo in rivista VIPIANA, Francesca, VECCHI, Giuseppe, D. R. WILTON (2010). A Multi-Resolution Moment Method for Wire-Surface Objects. IEEE TRANSACTIONS ON ANTENNAS AND PROPAGATION, vol. 58, p. 1807-1813, ISSN: 0018-926X, doi: 10.1109/TAP.2010.2044322
51	2010	Articolo in rivista H. BAGCI, ANDRIULLI, FRANCESCO PAOLO, VIPIANA, Francesca, VECCHI, Giuseppe, E. MICHELSEN (2010). A Well-Conditioned Integral-Equation Formulation For Transient Analysis Of Low-Frequency Microelectronic Devices.. IEEE TRANSACTIONS ON ELECTRONICS PACKAGING MANUFACTURING, vol. 33, p. 468-480, ISSN: 1521-334X, doi: 10.1109/TADVP.2009.2033569
52	2010	Articolo in rivista Araque Quijano J. L., VECCHI, Giuseppe (2010). Near- and Very Near-Field Accuracy in 3-D Source Reconstruction. IEEE ANTENNAS AND WIRELESS PROPAGATION LETTERS, vol. 9, p. 634-637, ISSN: 1536-1225, doi: 10.1109/LAWP.2010.2055032
53	2010	Articolo in rivista P. DE VITA, F. DE VITA, A. FRENI, PIRINOLI, Paola, VIPIANA, Francesca, VECCHI, Giuseppe (2010). Performances of MR-preconditioned fast MoM techniques. MICROWAVE AND OPTICAL TECHNOLOGY LETTERS, vol. 52, p. 1719-1724, ISSN: 0895-2477, doi: 10.1002/mop.25320



54	2009	Articolo in rivista MATEKOVITS, Ladislau, VECCHI, Giuseppe, Bercigli M., Bandinelli M., VIETTI, GUILLERMO CARLOS (2009). Efficient numerical analysis of large planar high impedance surface by the Synthetic Function eXpansion technique. MICROWAVE AND OPTICAL TECHNOLOGY LETTERS, vol. 51, p. 2763-2769, ISSN: 0895-2477, doi: 10.1002/mop.24729
55	2009	Articolo in rivista MILANESIO, DANIELE, MENEGHINI, ORSO-MARIA, LANCELLOTTI, Vito, MAGGIORA, Riccardo, VECCHI, Giuseppe (2009). A multi-cavity approach for enhanced efficiency in TOPICA RF antenna code. NUCLEAR FUSION, vol. 49, ISSN: 0029-5515, doi: 10.1088/0029-5515/49/11/115019
56	2009	Articolo in rivista VIPIANA, Francesca, ANDRIULLI, FRANCESCO PAOLO, VECCHI, Giuseppe (2009). Two-tier non-simplex grid hierarchic basis for general 3D meshes. WAVES IN RANDOM AND COMPLEX MEDIA, vol. 19, p. 126-146, ISSN: 1745-5030, doi: 10.1080/17455030802600792
57	2009	Articolo in rivista MATEKOVITS, Ladislau, VECCHI, Giuseppe, F. VICO (2009). Physics-based aggregate-functions approaches to large MoM problems. APPLIED COMPUTATIONAL ELECTROMAGNETICS SOCIETY JOURNAL, vol. 24 No:2, p. 143-160, ISSN: 1054-4887
58	2009	Articolo in rivista M. CASALETTI, S. MACI, VECCHI, Giuseppe (2009). Diffraction-like synthetic functions to treat the scattering from large polyhedral metallic objects. APPLIED COMPUTATIONAL ELECTROMAGNETICS SOCIETY JOURNAL, vol. 24 No: 2, p. 161-173, ISSN: 1054-4887
59	2009	Articolo in rivista MATEKOVITS, Ladislau, VECCHI, Giuseppe, M. BERCIGLI, M. BANDINELLI (2009). Synthetic-Functions Analysis of Large Aperture-Coupled Antennas. IEEE TRANSACTIONS ON ANTENNAS AND PROPAGATION, vol. 7, p. 1936-1943, ISSN: 0018-926X, doi: 10.1109/TAP.2009.2021895
60	2009	Articolo in rivista ANDRIULLI, FRANCESCO PAOLO, H. BAGCI, VIPIANA, Francesca, VECCHI, Giuseppe, AND E. MICHELSEN (2009). Analysis and Regularization of the TD-EFIE Low-Frequency Breakdown. IEEE TRANSACTIONS ON ANTENNAS AND PROPAGATION, vol. 57, p. 2034-2046, ISSN: 0018-926X, doi: 10.1109/TAP.2009.2019887
61	2009	Articolo in rivista SALVADOR, SARA MARINA, VECCHI, Giuseppe (2009). Experimental tests of microwave breast cancer detection on phantoms. IEEE TRANSACTIONS ON ANTENNAS AND PROPAGATION, vol. 57, p. 1705-1712, ISSN: 0018-926X, doi: 10.1109/TAP.2009.2019901



62	2009	Articolo in rivista VIPIANA, Francesca, VECCHI, Giuseppe, D. R. WILTON (2009). Automatic Loop-Tree Scheme for Arbitrary Conducting Wire-Surface Structures. IEEE TRANSACTIONS ON ANTENNAS AND PROPAGATION, vol. 57, p. 3564-3574, ISSN: 0018-926X, doi: 10.1109/TAP.2009.2027242
63	2009	Articolo in rivista VIPIANA, Francesca, VECCHI, Giuseppe (2009). A novel, symmetrical solenoidal basis for the MoM analysis of closed surfaces. IEEE TRANSACTIONS ON ANTENNAS AND PROPAGATION, vol. 57, p. 1294-1299, ISSN: 0018-926X, doi: 10.1109/TAP.2009.2015857
64	2009	Articolo in rivista ARAQUE QUIJANO, JAVIER LEONARDO, VECCHI, Giuseppe (2009). Optimization of an Innovative Type of Compact Frequency Reconfigurable Antenna. IEEE TRANSACTIONS ON ANTENNAS AND PROPAGATION, vol. Vol 57, n. 1, p. 9-18, ISSN: 0018-926X, doi: 10.1109/TAP.2008.2009649
65	2009	Articolo in rivista ARAQUE QUIJANO, JAVIER LEONARDO, VECCHI, Giuseppe (2009). Improved-Accuracy Source Reconstruction on Arbitrary 3-D Surfaces. IEEE ANTENNAS AND WIRELESS PROPAGATION LETTERS, vol. 8, p. 1046-1049, ISSN: 1536-1225, doi: 10.1109/LAWP.2009.2031988
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Responsabilità scientifica per progetti di ricerca internazionali e nazionali, ammessi al finanziamento sulla base di bandi competitivi che prevedano la revisione tra pari

- Responsabile scientifico di progetti di ricerca ENEA e/o EURATOM sul riscaldamento a RF di plasmi da fusione nucleare
dal 01-01-1999 al 31-12-2007
- Responsabile scientifico di progetti di ricerca derivanti da bandi competitivi della European Space Agency (ESA), programmi TRP e ARTES
dal 01-01-2003 a oggi
- Responsabile Scientifico di sede, progetto "'Field and Temperature Shaping and Monitoring for Microwave Hyperthermia FAT SAMMY'", bando PRIN 2015
dal 15-01-2017 al 15-01-2020
- Responsabile Scientifico di sede, progetto "Metasurface Antennas for Space Applications", bando PRIN 2017
dal 15-01-2020 a oggi

Direzione o partecipazione a comitati editoriali di riviste, collane editoriali, enciclopedie e trattati di riconosciuto prestigio

- Associate Editor, IEEE Transactions of Antennas and Propagation
dal 01-07-2012 al 01-07-2013

Incarichi di insegnamento o di ricerca (fellowship) presso qualificati atenei e istituti di ricerca esteri o sovranazionali

- Adjunct Faculty, Department of Electrical and Computer Engineering, University of Illinois at Chicago, Chicago, IL, USA
dal 01-10-1997 al 01-01-2011

Premi e riconoscimenti per l'attività scientifica, inclusa l'affiliazione ad accademie di riconosciuto prestigio nel settore

- Fellow of the Institute of Electrical and Electronic Engineers (IEEE)
dal 01-01-2010 a oggi

Altri titoli che contribuiscano a una migliore definizione del profilo scientifico

- European School of Antennas (ESOA):
 - member of the Board
 - course organizerdal 01-01-2004 a oggi
- Chapter Chair, Jt. Antennas and Propagation/Electron Devices/Microwave Theory and Techniques, Italy North
dal 01-09-2007 al 01-01-2014

