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John L. Volakis

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John L. Volakis

Dean & Professor

College of Engineering & Computing

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Curriculum Vitae (https://volakis.eng.fiu.edu/wp-content/uploads/VolakisCV-Aug-2017_N.pdf)

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Prof. Volakis is the Dean at the College of Engineering and Computing at Florida International Univ (FIU). He is an IEEE and ACES Fellow. Prior to coming to FIU, he was the Roy and Lois Chope Chair in Engineering at Ohio State and a Professor in the Electrical and Computer Engineering Dept. (2003-2017). He also served as the Director of the Ohio State Univ. ElectroScience Laboratory for 14 years.

His career spans 2 years at Boeing, 19 years on the faculty at the Univ of Michigan and 15 years at Ohio State. At Michigan he served as the Director of the Radiation Laboratory at U of Michigan (1998-2000). He has 35 years of experience and his research covers wireless communications, wearable textile antennas and electronics, antenna and arrays, ultra-wideband RF beamforming techniques, RF materials and metamaterials, EMI/EMC, multi-physics engineering, bioelectromagnetics, mm-wave front ends for GB communications, THz, radar scattering, RF systems integration, propagation, design optimization, and computational methods. He is internationally known for introducing hybrid finite element methods in electromagnetics, antenna miniaturizations techniques and textile electronics. In 2004, he was listed by ISI among the top 250 highly cited scientists/engineers. His publications include 8 widely used books, 400 journal papers and nearly 800 conference papers. As of May 2017, his google h-index=60 with nearly 16000 citations. He mentored nearly 90 Ph.Ds with 37 of them having won awards at international conferences.

His service to Professional Societies includes: 2004 President of the IEEE Antennas and Propagation Society, 2015-2017 USNC-URSI B Chair, twice the general Chair of the IEEE Antennas and Propagation Symposium, IEEE APS Distinguished Lecturer, IEEE APS Fellows Committee Chair, IEEE-wide Fellows committee member &

Associate Editor of several journals. Among his awards are: The Univ. of Michigan College of Engineering Research Excellence award (1993), Scott award from The Ohio State Univ. College of Engineering for Outstanding Academic Achievement (2011), IEEE Tai Teaching Excellence award (2011), and the IEEE Henning Mentoring award (2013), IEEE APS Distinguished Achievement award (2015), and Ohio State Univ. Distinguished Scholar Award (2016), and the Ohio State ElectroScience Lab Sinclair award (2016).

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Research Areas

Professor Volakis' research activities cover the following areas:

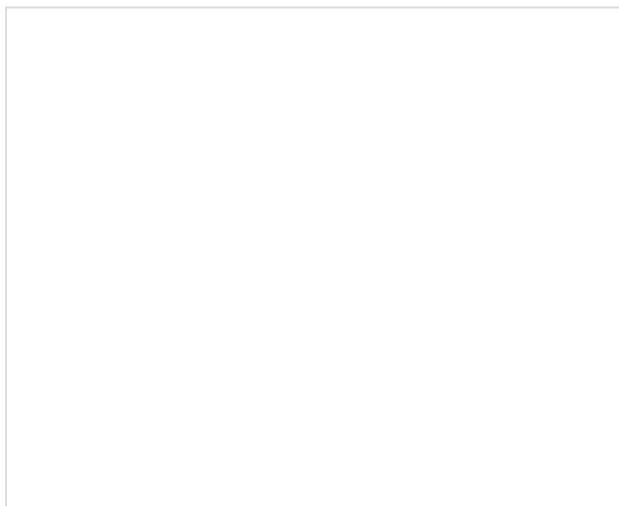
- [Medical Imaging \(<https://volakis.eng.fiu.edu//research/research-areas/#Medical>\)](https://volakis.eng.fiu.edu//research/research-areas/#Medical)
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- [RF Matching and Tunable Circuits \(<https://volakis.eng.fiu.edu//research/research-areas/#Electronic>\)](https://volakis.eng.fiu.edu//research/research-areas/#Electronic)
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- [Computational Electromagnetics \(<https://volakis.eng.fiu.edu//research/research-areas/#computational>\)](https://volakis.eng.fiu.edu//research/research-areas/#computational)
- [Electromagnetic Compatability and Interference \(<https://volakis.eng.fiu.edu//research/research-areas/#computational>\)](https://volakis.eng.fiu.edu//research/research-areas/#computational)

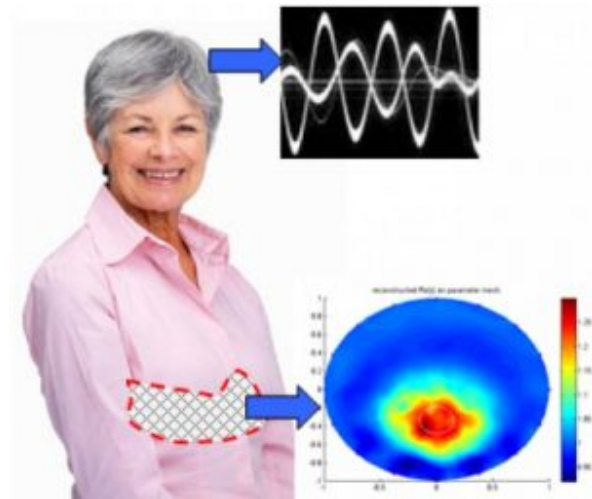
- [Scattering and Diffraction \(https://volakis.eng.fiu.edu//research/research-areas/#computational\)](https://volakis.eng.fiu.edu//research/research-areas/#computational)

For more information on his research activities, please click on one of the “[Research \(https://volakis.eng.fiu.edu//research/\)](https://volakis.eng.fiu.edu//research/)” links above.



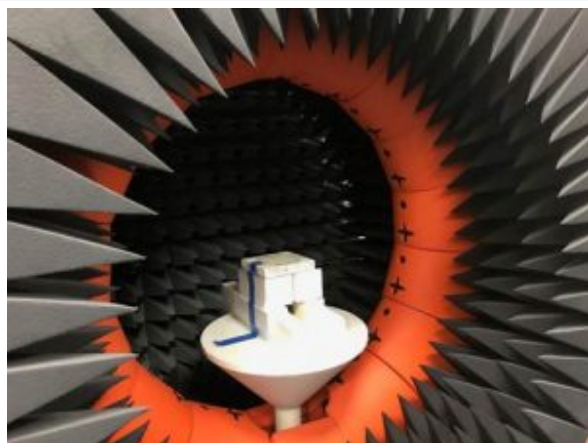
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Medical Sensing Image



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Antenna Measurements in near zone Anechoic chamber



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Dishes at the Hurricane Center on FIU

Publications

His has published over 400 journal papers, nearly 800 conference papers, 8 books, and nearly 30 book chapters. In 2004, he was listed among the top 250 most referenced scientists in Computer Science and Engineering by ISI. For the complete listing of his publications, please [click here](#)

<https://volakis.eng.fiu.edu/publications/>) or view his Google Scholar site [here](#) (<https://scholar.google.com/citations?hl=en&user=JakmyDIAAAAJ>).

Group

In his career that span more than 35 years, Professor Volakis has mentored nearly 90 Ph.D. students and postdocs, more than 37 of whom received best paper awards at conferences and 21 of them have moved on to become faculty members at various academic institutions. For a list of his current group members, click [here](#) (<https://volakis.eng.fiu.edu/group/>)

Select Awards and Professional Activities

Below is only a select list of Volakis' awards and professional activities. For a list of all his awards, click [here \(https://volakis.eng.fiu.edu//a_p_activities/\)](https://volakis.eng.fiu.edu//a_p_activities/).

2017-2020	Vice Chair of International URSI B
2015-17	Chair USNC/URSI Comission B (http://sites.nationalacademies.org/pqa/biso/ursi/pqa_067360)
2014	IEEE Antennas and Propagation Society Distinguished Award (http://www.ieeeaps.org/awards/ieee-and-ap-s-awards/2014-ap-s-award-recipients)
2012-14	Vice Chair, USNC/URSI Commission B
2011	IEEE Chen-To Tai Distinguished Educator Award (http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6082722)
2004	President, IEEE Antennas and Propagation Society (http://www.ieeeaps.org/)

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