

## PUBLICATIONS - Professor GEORGE TSOULOS

### BOOKS

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- [2] Adaptive Antennas for Wireless Communications, G.V.Tsoulos, Wiley-IEEE Press, 2001, ISBN 0-780-36016-8.

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- J3. Tsakalidis, S.; Tsoulos, G.; Kontaxis, D.; Athanasiadou, G. Design and Implementation of a Versatile OpenHAB IoT Testbed with a Variety of Wireless Interfaces and Sensors. *Telecom* 2023, 4, 597-610. <https://doi.org/10.3390/telecom4030026>.
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- J6. S.K. Goudos, G.V Tsoulos, G.E Athanasiadou, M. Batistatos, D.A Zarbouti, and K.E Psannis, "Artificial Neural Network Optimal Modeling and Optimization of UAV Measurements for Mobile Communications Using the L-SHADE Algorithm." *IEEE Transactions on Antennas and Propagation*, 2019, 67: 4022–31. <https://doi.org/10.1109/TAP.2019.2905665>.
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#### **ONLINE JOURNALS**

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#### **WHITE PAPERS**

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- C1. S. Tsakalidis, G. Tsoulos, G. Athanasiadou, V. Tsoulos, 'Autonomous Drone Measurement approach for Flying Base Stations', 2025 19th European Conference on Antennas and Propagation (EuCAP), March 30 – April 4, Stockholm, Sweden.
- C2. G. Athanasiadou, G. Tsoulos, D. Zarbouti, S. Tsakalidis, V. Tsoulos, N. Christopoulos, "Empirical Evaluation of SINR and Throughput in 5G/4G Networks: A Drone-Assisted Measurement Approach", IEEE International Mediterranean Conference on Communications and Networking ([IEEE MEDITCOM 2024](#)), Madrid, Spain, July 8–11, 2024.

- C3. G. Athanasiadou, G. Tsoulos, D. Zarbouti, G. Nikitopoulos, V. Tsoulos, N. Christopoulos, "Field Trials of Modern Cellular Networks in Diverse Operational Environments", 13th International Conference on Modern Circuits and Systems Technologies ([MOCAST 2024](#)), Sofia, Bulgaria, June 26-28, 2024. **(Nominated for best paper award in communication systems)**
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- C19. E. Koutsi, S. Deligiannis, I. Sarantopoulos, D.A. Zarbouti, G.E. Athanasiadou, and G.V. Tsoulos, "Radiation Measurements in Office Environment with Wi-Fi, 3G and 4G Users." *International Conference on Modern Circuits and Systems Technologies (MOCAST) on Electronics and Communications*, Thessaloniki, Greece, 2019.
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