

## Publications

- [1] Cheng Yang, Tomas Monopoli, Sebastian Götschel, Xinglong Wu, Flavia Grassi, and Christian Schuster. “Adaptive On-the-Fly Scan Method for Fast and Efficient Planar Near-Field Acquisition”. In: *IEEE Antennas and Wireless Propagation Letters* 24.8 (2025), pp. 2143–2147. doi:10.1109/LAWP.2025.3557192.
- [2] Tomas Monopoli, Xinglong Wu, Sergio A. Pignari, Johannes Wolf, and Flavia Grassi. “Wideband Modeling and Simulation of Multiple PCB Components in CubeSat Environment”. In: *2025 ESA Workshop on Aerospace EMC (Aerospace EMC)*. 2025, pp. 1–6. doi:10.23919/AerospaceEMC64918.2025.11074834.
- [3] Tomas Monopoli, Xinglong Wu, Cheng Yang, Christian Schuster, Sergio Amedeo Pignari, Johannes Wolf, and Flavia Grassi. “Morphological Search for Near-Field Equivalent Infinitesimal Dipole Models”. In: *IEEE Transactions on Electromagnetic Compatibility* (2024), pp. 1–12. ISSN: 1558-187X. doi:10.1109/TEMC.2024.3492701.
- [4] Tomas Monopoli, Xinglong Wu, Sergio Pignari, Johannes Wolf, and Flavia Grassi. “Inspection tools for Gaussian Process Regression Modeling of Electromagnetic Fields of Electronic Boards and Chips”. In: *2024 14th International Workshop on the Electromagnetic Compatibility of Integrated Circuits (EMC Compo)*. Oct. 2024, pp. 56–59. doi:10.1109/EMCCompo61192.2024.10742047.
- [5] Tomas Monopoli, Xinglong Wu, Cheng Yang, Sergio A. Pignari, Johannes Wolf, and Flavia Grassi. “Partial Image Expansion Applied to Real Near-Field Measurement Data Modeling”. In: *2024 IEEE Joint International Symposium on Electromagnetic Compatibility, Signal & Power Integrity: EMC Japan / Asia-Pacific International Symposium on Electromagnetic Compatibility (EMC Japan/APEMC Okinawa)*. 2024, pp. 138–141. doi:10.23919/EMCJapan/APEMC0kinaw58965.2024.10585137.
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- [7] Tomas Monopoli, Xinglong Wu, Flavia Grassi, Sergio A. Pignari, and Karl-Friedrich Johannes Wolf. “Positioning Uncertainty of Near-Field Probes”. In: *2023 IEEE 7th Global Electromagnetic Compatibility Conference (GEMCCON)*. 2023, pp. 57–57. doi:10.1109/GEMCCON57842.2023.10078196.
- [8] Tomas Monopoli, Antonino Borgese, Xiaokang Liu, Flavia Grassi, and Sergio A. Pignari. “Modal Analysis of a Typical Power over Ethernet Configuration”. In: *2020 6th Global Electromagnetic Compatibility Conference (GEMCCON)*. 2020, pp. 1–4. doi:10.1109/GEMCCON50979.2020.9456742.