

PROJECT / Additive Antenna Manufacturing

ADAM_3D



Main Objective:

Additive manufacturing, or 3D-printing, is bringing a revolution to most engineering areas. It is not just about changing fabrication processes and materials, but more importantly, enabling powerful new concepts and designs not feasible or affordable with traditional manufacturing. In parallel, personal communications present a meteoric evolution that impregnates each one's life and habits. This growth will continue embodying concepts like the Internet of Things (IoT) and next generation mobile communications (5G). It will transparently link much more users, machines, sensors and virtual nodes through land and satellite infrastructures. It requires effective low-cost solutions for mass-market. AM will play a role, and antennas are a key player in wireless systems. The project focuses on the development of new antenna concepts benefitting from opportunities offered by AM, aiming at different aspects of IoT, 5G and associated applications, including body-area networks.

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Team: [Jorge Manuel Lopes Leal Rodrigues da Costa](#), [Carlos Antonio Cardoso Fernandes](#), [Sérgio de Almeida Matos](#), [João Manuel de Almeida Monteiro Felício](#), [António Miguel Castanheira Afonso de Almeida](#), [Ana Catarina Caniço Cruz](#), [Jorge Pedro da Costa Mendes Teixeira](#)

Groups: [Antennas and Propagation – Lx](#)

Partners: IT

Local Coordinator: [Jorge Manuel Lopes Leal Rodrigues da Costa](#)