

## PROJECT / Propagation and Radiation in Complex Media Using Planar Technology

# MEIOS ARTIFICIAIS

### Main Objective:

Analysis of propagation and radiation of electromagnetic waves in multilayered planar structures using complex media including bianisotropic, biisotropic (chiral/omega), gyrotropic (ferrites/magnetized plasmas) and left-handed media. Two specific topics are addressed:

- radiation of elementary sources embedded in multilayer structures;
- characterization of artificial media in planar technology.

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