



European Association on Antennas and Propagation

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Research Topics:

Deterministic propagation modelling in indoor space for the domains of amplitude, time and angle

Digital modelling of specific, untypical environments

Modelling and measuring propagation in:

- copper and coal mines
- reverberation chambers (also embedded and joint chambers) for EMC purposes
- anechoic and semi-anechoic chambers for High-Power Microwave (HPM) pulses

The 2D and 3D modelling of realistic irregular surfaces (incl. local diffraction and scattering)

HPM pulses propagation in complex urban environments

The urban radiowave propagation with the use of beam and ray launching techniques:

- sensitivity analysis of maps innacuracy effect on the radiowave propagation prediction
- -ray- or beam-launching methods applicability to VHF bands for Digital Audio Broadcasting (DAB) planning