



KOLLOQUIUM

Institut für Elektrotechnik, Elektronik und Informationstechnik

Achtung: Sondertermin!

Active Antennas

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Cauerstraße 7/9, Hörsaal H5

Diskussionsleitung: Prof. Dr.-Ing. Lorenz-Peter Schmidt

Active integrated antenna is a growing interdisciplinary research area. Simply stated, this is an organic combination of planar antenna technology and microwave integrated circuits. From antenna design point of view, this technology transforms antennas into the one containing certain analog signal processing function (such as signal mixing). From microwave circuit point of view, the circuit contains a port exposed to free space. Antennas often provide additional function such as diplexing and filtering in addition to its original radiating function. In this talk, following some historical examples, more recent effort with several examples will be presented. Examples include new RF front end technology and retrodirective array.