DI. Gernot Schmid
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Gernot Schmid joined the *Electromagnetic Compatibility* (*EMC*) working group of the *Forschungszentrum Seibersdorf* in 1997 as one of the first members of the sub-working group *EMF*, dealing with interactions between electromagnetic fields and the human body. From 1999 to 2008 he was project leader and deputy head of the business unit *Mobile Communications Safety* at the *Austrian Research Centers ARC*. Since 2009 he is with the business unit *EMC & Optics* at the *Seibersdorf Laboratories* as Senior Researcher and project leader, responsible for the *EMF* working group.
Since 1997 Gernot Schmid has been working on numerous national as well as international research projects related to the exposure assessment in electromagnetic fields, the biological impact of electromagnetic fields, and electromagnetic interference on medical implants, covering the frequency range from 0 to 40 GHz. He is member of the expert group AG-EMF of the Austrian Federal Ministry of Health, and active as expert in several national (OVE) and international (CENELEC, IEC, IEEE) standardisation committees dealing with personal safety in electromagnetic fields. He is member of the Bioelectromagnetics Society (BEMS) and the European Bioelectromagnetics Association (EBEA), and authored/co-authored more than 150 scientific publications.
His past and present activities include dielectric spectroscopy of biological tissues, analysis of tissue specific radio frequency absorption and induced electric current densities in complex anatomical body/tissue models, development of exposure facilities for biological experiments, antenna optimisation, electromagnetic interference with medical implants, and development of measurement systems for exposure assessment.
Beside his long-time activities in the field of interactions of electromagnetic fields with the human body, since 2009 he is also responsible for the *NFC working group* at the Seibersdorf Laboratories, dealing with smart sensor and antenna development for NFC- and RFID-applications, and filed in total more than 30 patents related to this field.