

# Session TU4D

## Field Theory I

**Chairman:**

**A. Beyer**

Gerhard-Mercator—University at Duisburg

For the characterization of discontinuities in waveguide structures it is a need to find new, simple and efficient techniques. One possibility to fulfill these requirements is to improve the frequency—or time domain methods. The other way offers the combination of these techniques. Thus methods will be presented which describe structures of practical interest and high complexity like circular ridge waveguides with partial dielectric filling, waveguide corners distorted by discontinuities, S-parameter extraction procedure for arbitrarily shaped structures, modal analysis, modeling of cascaded CPW discontinuities and finite element formulation for bodies of revolution.

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**3:30 p.m.–5:00 p.m., Tuesday, May 16, 1995**  
**Room A3**