

## **Session: TU4D**

# **Modern Concepts in Microwave Field Theory**

*Chair*

***A. Beyer***

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This session provides new developments in the area of field theory. The contributions will highlight the most recent advances both in improvement of numerical methods and in modeling of structures important for microwave applications. The presentations are devoted to a wide variety of topics ranging from the 3-D full-wave spectral domain techniques, the method of lines, the suppression of spurious modes by the excitation process in TLM-meshes, the global finite element analysis and the FD-TD/Matrix-Pencil method to the finite element analysis. The applicability of these methods is shown by modeling of structures like meander lines, interconnects in MMICs, microwave lumped elements, waveguide filters and other discontinuities.

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**4:00 pm - 5:50 pm Tuesday, June 18, 1996  
Room 134**

