

# Session DD

## CAD of Passive Components

**Chairman:**

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Several new CAD-techniques for the synthesis and the design of passive components like incommensurate line networks, diplexers and couplers will be presented in this session. Besides a very interesting synthesis technique of multidimensional networks constituted by cascaded two-dimensional networks novel design techniques and structures for diplexer structures will be described. Finally, it will be shown how wideband couplers and high-quality filters can be designed using planar periodic topologies and how the influence of metallization thickness can be taken into account in suspended stripline branch line couplers. All techniques described lead to a considerable improvement of the considered structures.



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**3:30 p.m.-5:00 p.m., Wednesday, June 16, 1993**  
**Room 216/217**

