IEEE Transactions on Microwave Theory and Techniques
Special Issue on
Filters and Passive Components

Recent advances in Computer-Aided Design, Electromagnetic Field Simulation, Dielectric Materials and High Temperature Superconductors led to new developments in the area of filters, multiplexers and related passive components.

MTT-S Technical Committee on Filters and Passive Components (MTT-8) is sponsoring a special issue of the IEEE Transactions on Microwave Theory and Techniques on "Filters and Passive Components" to be published in July, 1994. The objectives of this issue are to provide extensive design information, state-of-the-art and future trends in filter and multiplexer designs.

Topics of interest include, but are not limited to, the following areas:

- Active filter and multiplexer components incorporating innovative concepts.
- Theoretical and experimental characterization of filter structures, materials and processes.
- Use of high dielectric constant materials for size and weight reduction.
- High temperature superconducting filters, multiplexers and related passive components.
- High power, multi-mode cavity filters.
- Surface Acoustic Wave filters at microwave range.
- Other related topics and unique applications of miniature resonators to filter synthesis.
- Advances in coupling, dividing and combining networks.

Dr. René R. Bonetti of COMSAT Laboratories and Dr. H. Clark Bell of LORAL Microwave – Narda West will be guest editors of this special issue. Prospective authors are requested to submit five copies of the paper describing original work in the above areas by July 31st, 1993 to:

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