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MCS 90	1991 IEEE Microwave and Millimeter-Wave Monolithic Circuits Symposium Digest
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The *Author Index* contains the primary entry for each item, listed under the first author's name, and cross-references from all coauthors. The *Subject Index* contains several entries for each item under appropriate subject headings, and subject cross-references.

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E

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- Electrooptic materials/devices**
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- Electrooptic materials/devices; cf. Integrated optoelectronics**
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Microwave filters; cf. Bandstop filters; Microstrip filters; Resonator filters; Slotline filters; Stripline filters; Waveguide filters

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Mixers; cf. Microwave mixers; Millimeter-wave mixers; Optical mixers; Schottky diode mixers; Submillimeter-wave mixers; UHF mixers

MMIC amplifiers

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MMIC oscillators

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MMIC phase shifters

- integrated digitally controlled MMIC 6-bit phase shifter, 4-bit attenuator, and T/R switch using multifunction self-aligned-gate process. *Singh, H.*, +, *MCS 91* 39-42
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- K-band low-noise MMIC HEMT receiver for phased arrays. *Carandang, R.*, +, *MWSYM 91 Vol. 2* 521-524

MMIC switches

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MMIC transmitters

- 43.5–45.5-GHz active times-four frequency multiplier with 1.4-W power output based on GaAs pseudomorphic HEMT MMICs. *Creamer, Carl.*, +, *MWSYM 91 Vol. 3* 939-942

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MMICs; cf. Microstrip...**Mobile robots, sensing systems; cf. Robots, sensing systems****Mode coupling; cf. Coupled-mode analysis****Mode-locked lasers**

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- Mode-matching methods; cf.** Waveguide discontinuities
- Modeling; cf.** Integrated-circuit modeling; *Specific topic*
- MODFET amplifiers; cf.** Millimeter-wave FET amplifiers; MMIC amplifiers
- MODFET amplifiers, power; cf.** Microwave FET amplifiers, power; MMIC amplifiers, power
- MODFET frequency converters; cf.** Millimeter-wave frequency conversion
- MODFET integrated circuits; cf.** Microwave FET integrated circuits; Millimeter-wave FET integrated circuits
- MODFET mixers; cf.** Millimeter-wave mixers
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Waveguide components; cf. Specific device**Waveguide discontinuities**

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Waveguide junctions; cf. Hybrid junctions; Microwave power dividers/combiners; Multiport circuits; Waveguide discontinuities; Waveguide transitions

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Waveguide transitions

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Waveguide transitions; cf. Microstrip transitions; Slotline transitions

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Waveguides; cf. Circular waveguides; Coaxial waveguides; Coplanar transmission lines; Corrugated waveguides; Dielectric-loaded waveguides; Dielectric waveguides; Ferrite-loaded waveguides; Ferrite waveguides; Finline...; Infrared waveguides; Loaded waveguides; Magnetic-material-loaded waveguides; Microstrip...; Millimeter-wave waveguides; Multimode waveguides; Optical waveguides; Parallel-plate waveguides; Ridge waveguides; Slotline...; Stripline...; Submillimeter-wave waveguides

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Wire communication; cf. Optical fiber communication

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Y

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