

# Abstracts

## MCQW Intensity Optical Modulator for InP Based MMIC/Photonics Integrated Circuits

---

*M.T.C. Silva, M.A.G. Martinez and P.R. Herczfeld. "MCQW Intensity Optical Modulator for InP Based MMIC/Photonics Integrated Circuits." 1993 MTT-S International Microwave Symposium Digest 93.1 (1993 Vol. 1 [MWSYM]): 229-232.*

This paper is concerned with chip level integration of photonic devices and MMICs. The focus is on a InP-based multicoupled quantum well intensity optical modulator. In the proposed configuration, the microwave field induces a periodic structure via the electrorefractive effect. The interaction of light with the induced grating yields a modulated optical signal. The paper discusses the structure and the expected performance of the device.

[Return to main document.](#)