



Photonics Goes Underground in Silicon

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“A research group at the University of California, Los Angeles, has demonstrated the fabrication of optical devices — specifically, a microdisk resonator and coupling waveguides — beneath the surface of a silicon substrate, leaving the surface clear for the implementation of electronic circuitry. The scientists believe that their technique could lead to monolithic electronic/photonic integrated circuits and are striving to incorporate CMOS electronics on the surface of chips containing buried optical components.”