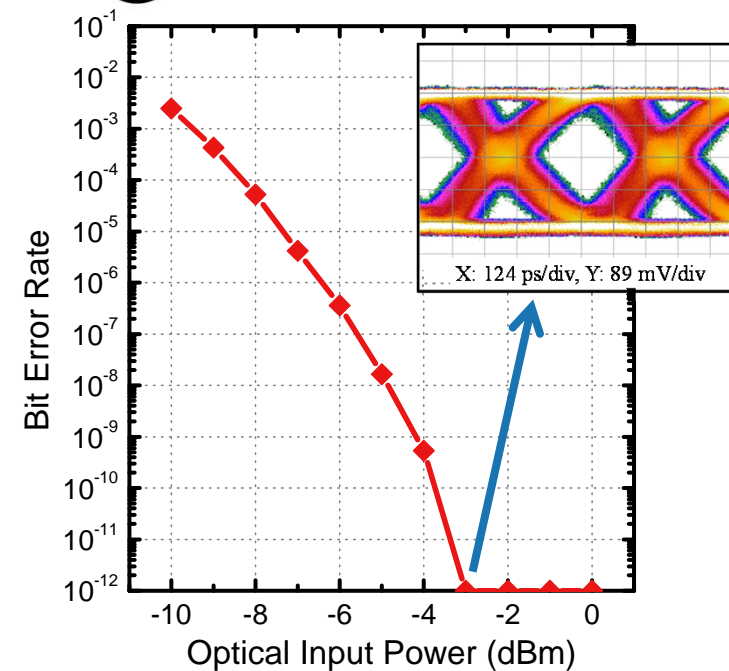
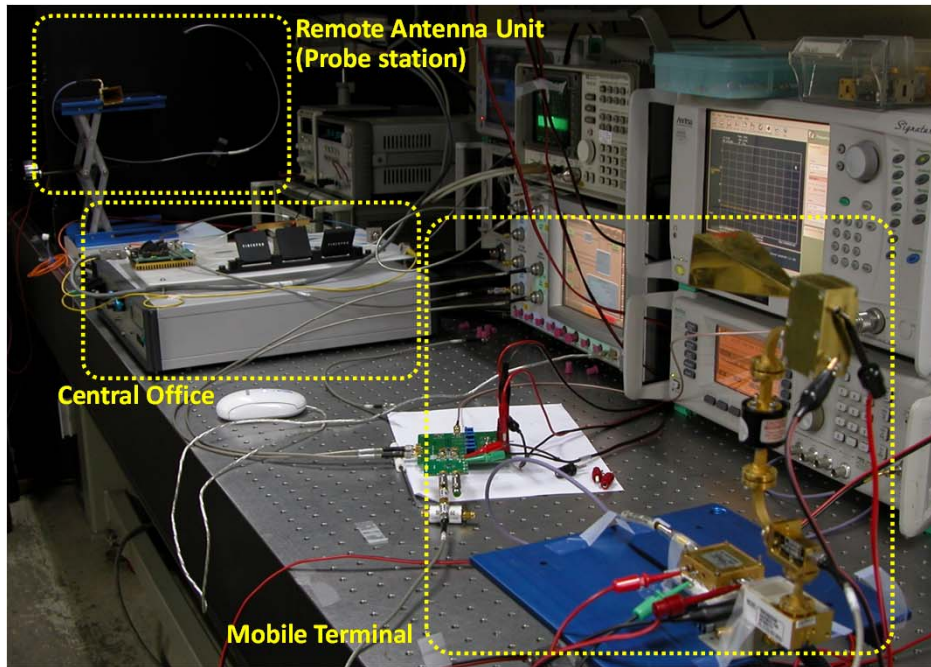
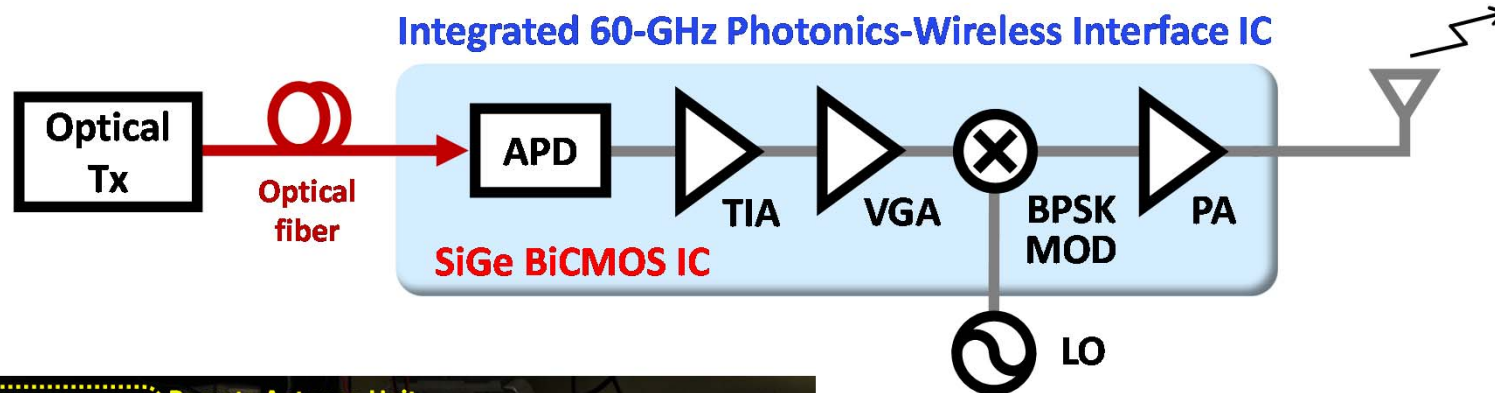


# Silicon Photonics-Wireless Interface IC

Integrated 60-GHz Photonics-Wireless Interface IC



**1.6-Gb/s BPSK transmission in 60-GHz wireless channel was demonstrated.**

# Publication List in 2011

## Journals

Title	Role		Journal	Vol./Page
	First	Co		
3-Gb/s 60-GHz Link With SiGe BiCMOS Receiver Front-End and CMOS Mixed-Mode QPSK Demodulator	V		Journal of Semiconductor Technology and Science	Vol. 11 pp. 256-261
A Silicon Balanced Subharmonic Optoelectronic Mixer for 60-GHz Fiber-Wireless Downlink Application	V		IEEE Photonics Technology Letters	Vol. 23 pp.1805-1807
Mixed-mode QPSK demodulator for home networking applications		V	IET Electronics Letters	Vol. 47 pp. 92-94

## Conferences

Title	Role		Conference
	First	Co	
3-Gb/s 60-GHz Link With SiGe BiCMOS Receiver Front-End and CMOS Mixed-Mode QPSK Demodulator	V		The 11 <sup>th</sup> RF Integrated Circuit Technology Workshop, Sep. 2011