

## GOMACTech 2007 Technical Session Proposal and Information Form

<b>Session Title:</b>	<b>High Performance Integrated Electronics: RF-CMOS</b>
Session Abstract (250 words):	This session covers recent developments in the fast-moving field of RF-CMOS. The focus of the talks will be SiGe BiCMOS technology which has recently achieved impressive device results with $f_T$ and $f_{max}$ in the several hundred GHz range. A range of applications will be covered including RF-subsystems like mixers & transceivers o phased-array radars. Progress in RF-Si will also be reviewed which may eventually catch up with SiGe technology.

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	<b>Invited Paper Title</b>	<b>Author</b>	<b>Affiliation</b>
<b>1</b>	Signal Sources and Detectors Operating Near 200 GHz Fabricated in CMOS	Kenneth K. O Joe E Brewer	University of Florida
<b>2</b>	Novel Silicon Transistor Structures for High Performance Mixed Mode Systems	Jason Woo	UCLA
<b>3</b>	Mixed-Signal SiGe Radar-on-a-Chip	Michael Lucas	Northrup Grumman
<b>4</b>	SiGe Technology Application to Wideband Electronic Warfare Systems	Frank Stroili	BAE
<b>5</b>		Brian Gaucher	IBM