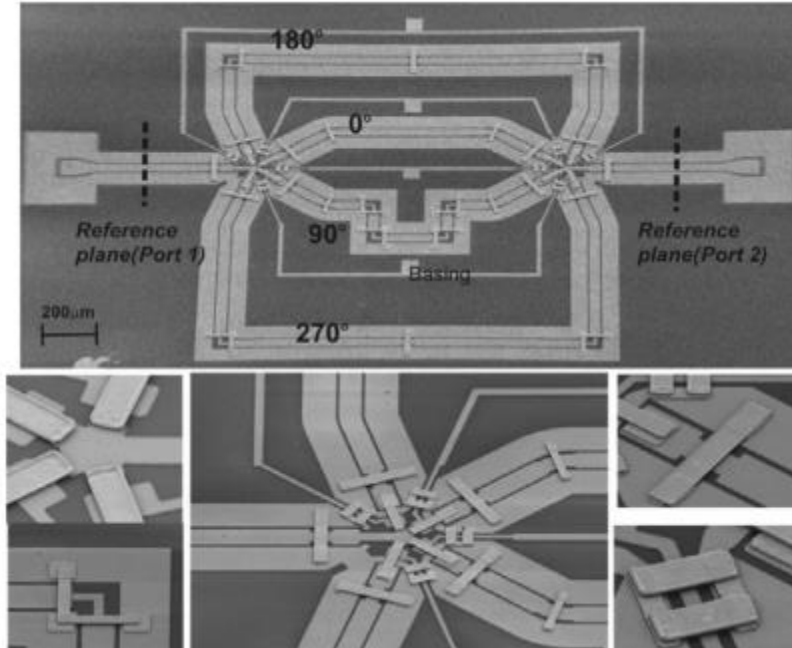


Barker Research Group



My research focuses on the development of micromachined millimeter-wave and terahertz frequency components. Over the past several years my group has developed RF-MEMS 60 GHz switched-line phase shifters, vertical interconnects for 3D integration of heterogeneous semiconductor substrates with excellent performance out to 100 GHz, RF-MEMS tunable matching networks for reconfigurable systems, and THZ frequency on-water probes.

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