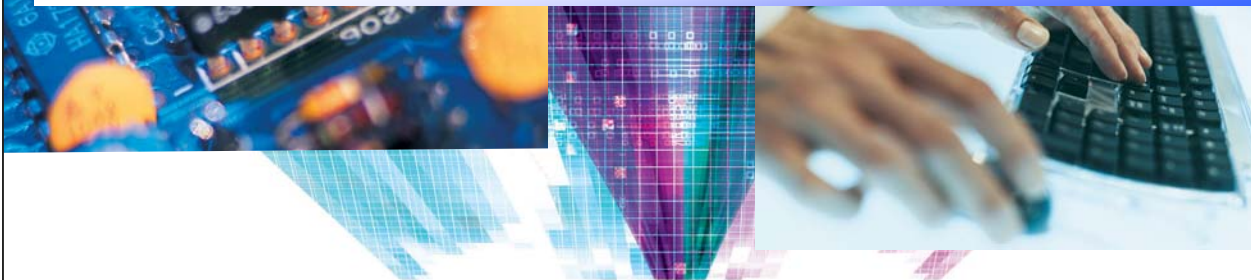


Novel Integrated Piezoelectric And Optoelectronic Devices For Communications And Wireless Sensor Applications

Dr. Nuri Emanetoglu



Speaker's Bio

Nuri William Emanetoglu was born in Istanbul, Turkey, in 1973. He received his B.S. degree in electronics and communications engineering from Istanbul Technical University, Turkey, in 1995, and his M.S. and Ph.D. degrees in electrical and computer engineering from Rutgers University, New Brunswick, NJ in May 1998 and May 2003, respectively. He was a post-doctoral research associate at Rutgers University from May 2003 to December 2004, and an ORAU post-doctoral fellow at the Army Research Labs between January 2005 and December 2006. He has been at UMaine since January 2007.

ABSTRACT

Piezoelectric and optoelectronic devices have wide applications in communications systems. Applications of piezoelectric devices range from bulk crystal frequency references to surface acoustic wave filters and resonators, while optoelectronic devices such as lasers, photodetectors and modulators are critical components of free space and fiber optic communications systems. These devices have also found applications in wireless remote sensors.

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