

GOMACTech 2007 Technical Session Proposal and Information Form

Session Title:	Microelectronic Technologies for Prognostics & Diagnostics
Session Abstract (250 words):	The capability to accurately predict subcomponent and system failure requires both sensing and algorithmic advances. The advent of advanced, single-chip microcontrollers and RF transceivers will substantially aid the proliferation of advanced approaches to P&D. Both feature size reduction and increased functionality provide access to a new regime of trade-space for P&D and other micro sensor networks applications. This session will present recent efforts aimed at both the enabling technology and its implementation.

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	Invited Paper Title	Author	Affiliation
1	Advanced Diagnostic Techniques for System Level Prognostics	Mike Pecht	UMD PHMC
2	Design Level Components as IC Failure Precursors	James Hofmeister	Ridgetop Group
3			
4			

Paper titles are not final at this time.

Other Possible papers:

Motorola – Microcontroller Advances

Dell Computer -