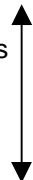


Intelligent RF Front Ends- DARPA Study
Focus

Session Chair: Martinez

Speaker	Author	Title	Phone Number	e-mail	Company	Paper Received
1	Edgar Martinez	Dr	703-696-7346	emartinez@darpa.r	DARPA	No Papers Expected 
2	Daniel K. Ko	Dr.	310-814-5678	daniel.ko@trw.com	TRW	
3	John A. Windyka	Dr.	603-885-0524	john.a.windyka@bae	BAE Systems	
4	Craig Keast and Mark Gouker				MIT Lincoln Lab	
5	John J. Zingaro	Mr.	410-765-5399	john_j_zingaro@m	Northrop Grumman	

Breakout

Title Intelligent RF Front-ends – Digital Control of Analog Circuits

For the last two decades MMIC technology has enabled many of the current military and commercial RF sensors and communication capabilities. A new paradigm to MMIC technology is being proposed in which RF/analog components will possess the ability to self-assess and self-optimize their performance in real time. This is the concept of Intelligent RF Front-end systems – highly adaptable, highly integrated RF/analog components. In this session, the benefits and technical challenges of the Intelligent RF Front-ends components and their impact in future military systems will be discussed.