

**DARPA RFLICS 2 Moderator: Schneider**  
Focus

Speaker	Author	Title	Phone Number	e-mail	Company	Paper Rcvd
1	Charles Cox	Low-cost, High-performance Analog Optical Links	781-272-1819	ccox@photonicsinc.com	Photonic Systems, Inc.	rflics2
2	Seng-Tiong Ho	Self-Assembled Materials Systems and Devices for R-FLICS	847-491-7103	sth@ece.nwu.edu	Northwestern University	rflics2
3	Fow-Sen Choa	Efficient, Wide Band, Integrated Lightwave Devices for RF Transmission	410-455-3272	choa@umbc.edu	UMBC	rflics2
4	Kerry Vahala	All-fiber High-speed Modulator for Links with Net RF Gain	626-395-2144	vahala@its.caltech.edu	Aleph Lightgate, Inc.	rflics2
5	Stephen Forrest	Very Low Noise Figure, High Dynamic Range Heterodyne RF Lightwave Links Using a Simple, Versatile Photonic Integration Technology	609-258-4532	forrest@ee.princeton.edu	Princeton University	rflics2
6	Keith Williams	High Performance Photodetectors	202-767-9360	keith.williams@nrl.navy.mil	NRL-UT Austin	rflics2
7	Tony Levi	Microphotonic RF Receiver Components	213-740-7318	alevi@usc.edu	USC	rflics2
8	Marta Howerton	Broadband, Optical Modulator Development with Low Drive Voltage	202-767-9520	howerton@ccf.nrl.navy.mil	NRL	rflics2

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The R-FLICS program will demonstrate enhanced performance capabilities in RF systems through the development of novel approaches to the integration of lightwave and RF technologies to route, control, and process analog RF signals in the 0.5-50 Ghz range. Significant improvements to low Vpi optical modulators, direct modulation lasers, optical detectors, RF optical links, and chip scale integration of RF-optical distribution and processing functions will also be pursued. The potential operational impact of the most promising device technologies will be demonstrated in a systems testbed.