

**DARPA RFLICS 1**

Focus

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Breakout

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 V<sub>pi</sub> 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.