

Silvus announces new Phase I SBIR contract to develop a Single Transceiver Dynamic Spectrum Access (ST-DSA) system

Los Angeles, Calif., October 27th 2014 — Silvus Technologies Inc. a leading developer of mesh networked Multiple Input Multiple Output (MIMO) radio products for tactical and commercial applications has been awarded an Office of Naval Research (ONR) SBIR Phase I contract to design and build a Single Transceiver Dynamic Spectrum Access (STDSA) system.

Traditional approaches for enabling dynamic spectrum access (DSA) in a radio have required additional hardware for the sensing of noise floor in a number of candidate secondary bands. In cases where additional hardware cannot be used, some approaches have suggested taking time away from data communications to move the transceiver to the candidate secondary band in order to measure the interference. The work proposed by Silvus under the ST-DSA program will allow a single transceiver radio to achieve full DSA functionality without impacting the throughput of the primary communications network.

Hardware demonstrations of the technology will be conducted using the state of the art StreamCaster™ radio products. The phase I program will establish the feasibility of the ST-DSA via simulations and hardware in the loop experiments. The total dollar amount of the award is \$80K.

About Silvus Technologies

Privately held and headquartered in Los Angeles, Silvus Technologies develops complex MIMO technologies that are expected to reshape broadband wireless connectivity worldwide. Backed by an unmatched team of PhD scientists and design engineers, its technologies provide enhanced wireless data throughput, wireless interference mitigation, anti-jamming, spatial cancellation, and improvement of Quality of Service (QoS) for the support of critical video and data transmissions.

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