Dixie Crow Symposium # 39

23-27 March 2014

"21st Century Mission Success through ISR & Legacy EW Integration"

CALL FOR PAPERS!

The Dixie Crow Chapter of the AOC will host its 39th annual Regional Technical Symposium on 23-27 March 2014. This year's theme, shown above, illustrates collaboration within the Information Operations (IO) environment and integration within the operations environment for both new and legacy systems.

Papers to support this theme should include issues relating to Electronic Warfare (EW), Intelligence Surveillance & Reconnaissance (ISR) and collaboration within the existing and future IO environment. Efficient utilization and control of the Electromagnetic Spectrum is necessary for defense of our forces and our homeland. Collaborative improvement is necessary to assure our tactics and products are affordable and successfully protect the warfighters. Integration with legacy systems requires some "Out of the Box" thinking.

Papers must be unclassified and not be International Traffic in Arms Regulations (ITAR) restricted. There will be significant representation from our foreign allies. Your presentations should consider applicability, releasability, and International Traffic in Arms Regulations. Please be aware the Dixie Crow Organization does not release any bio, abstract or briefing information outside the technical committee. Any attendee wishing a copy of the briefing must contact the briefer.

Presentations will be targeted for 20 minutes (Including Questions and Answers)

Please let us know if you are interested in presenting a paper. Abstracts and papers must be UNCLASSIFIED and may be submitted electronically any time before 1 February 2014 and should be less than 200 words. Presenters will be notified by 15 February 2014, if accepted. Along with the abstracts, please provide the releasability information for the presentation along with the speaker's short bio (example attached). Email unclassified abstracts, speaker biographies and releasability documents to all members of the Technical Session committee below:

Doug Nation	**(478) 955-0453**	**E-mail: Doug.Nation@gtri.gatech.edu**
John Shawhan	**(478) 922-8333 ext 256**	**E-mail: jshawhan@scires.com**
Mark Swann	**(478) 222-4481**	**E-mail: mark.swann@robins.af.mil**

For the latest information, check out our Home Page at: www.crows.org/chapters/dixie-crow

SPEAKER'S SHORT BIO (*Example*)

(Presenter's name), Senior Engineer, ACME Defense Corporation

(Speaker's name) has more than 35 years experience designing microwave hardware for EW, radar and communication systems. His/her specific expertise involves the design of microwave transmitters, receivers, and signal sources that are used primarily in military systems. They have also successfully managed several engineering development projects, including the Army Research Laboratory's Tri-Service MPM program. (Speaker's name) earned a Bachelor's Degree in Electrical Engineering from Georgia Tech in 1982 and a Masters Degree in Electrical Engineering from the MIT in 1989. (Speaker's name) is a member of the IEEE, has been an Old Crow since 1991, and was inducted into the AOC Hall of Fame in 2006.

ABSTRACT (*Example*)

Title, (Presenter's name), Senior System's Engineer, Modern Research Center

Technology advances now make it possible to create exceptionally realistic and arbitrarily complex test environments that can have hundreds or thousands of signals and span the entire RF spectrum. Signals have high dynamic range and exceptional fidelity. Multiple unique test environments can be easily created and the system reconfigured in minutes. This system is backward compatible with legacy PDW databases, with the additional capability to re-create actual recorded signals and arbitrarily complex radar and non-radar signals. This presentation will describe a modular system that can provide these capabilities using primarily COTS equipment. An example will be presented demonstrating how the system can be used to create a complex, long duration, dynamic, multi-GHz bandwidth test scenario that includes a mixture of broadband and narrowband signals embedded in an actual recorded background RF environment.

International Traffic in Arms Regulations (ITAR) compliance

(Title of Briefing)_____

has been approved for presentation to attendees at the DIXIE CROW SYMPOSIUM #39. The security classification of this information is "UNCLASSIFIED".

This information has been approved for presentation to Foreign Nationals, (In Accordance With International Traffic in Arms Regulations (ITAR) export controlled technical information). Presenters are responsible to ensure that their briefings are approved for release to the levels indicated above.

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Speakers Approving Authority Signature Date