



# AF Technical Program – 2016 Dixie Crow Symposium 41

## Call for Papers

### “EW/ISR: Today’s Innovations Countering Tomorrow’s Threats”

The EW/Avionics Division, AFLCMC/WNY, and the Dixie Crow Chapter of the Association of Old Crows (AOC) will co-sponsor the AF Technical Program, 2016 Dixie Crow Symposium 41, on 22-24 March 2016. The program will be at the Scott Theater (Building 1500), Museum of Aviation, Robins AFB, GA. An AF conference approval request has been submitted by the EW/Avionics Division.

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, understanding and control of the Electromagnetic Spectrum are 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. Maximization of modern and legacy systems demands “Unique” approaches.

Papers may be unclassified or classified. Briefing sessions will be separated as follows: 1) Unclassified with no restrictions; 2) Unclassified US ONLY, EXPORT CONTROLLED; 3) Classified Confidential or Secret, US ONLY.

A Releasibility Certification (form included with this document) is required before presentation can take place.

Please be aware the Dixie Crow Technical Committee does not release any bio, abstract or briefing information. Any attendee wishing a copy of the briefing must contact the briefer directly.

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

Please let us know if you are interested in presenting a paper. Abstracts (less than 200 words) must be UNCLASSIFIED and may be submitted electronically any time before 15 February 2016. Presenters will be notified by 29 February 2016 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:

Travis Harper	(478) 922-8333 x229	Email: <a href="mailto:tharper@scires.com">tharper@scires.com</a>
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**For the latest information, check out our Home Page at:**  
<http://www.crows.org/chapters/dixie-crow-home-page.html>

## SPEAKER'S SHORT BIO (*Example*)

**(Speaker'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.

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## ABSTRACT (*Example*)

**Title, (Speaker'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.

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## Releasibility Certification

I certify that I have secured the appropriate approvals for:

**(Title / Speaker)** \_\_\_\_\_

to be presented at the AF Technical Program, 2016 Dixie Crow Symposium 41. The releasibility/security classification of this information is **(circle one of the following statements)**:

- 1) Unclassified, no restrictions.** Information has been approved for presentation to Foreign Nationals.
- 2) Unclassified, US ONLY, EXPORT CONTROLLED.** Export controlled technical information is in accordance with International Traffic in Arms Regulations (ITAR).
- 3) Classified (Confidential or Secret), US ONLY.** – Seeking AF Co-Sponsorship Approval

Speakers are responsible to ensure that their briefings are approved for release at the levels indicated above.

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Speaker's Approving Authority Printed Name & Signature

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Date