24th INTERNATIONAL COMMAND AND CONTROL RESEARCH & TECHNOLOGY SYMPOSIUM 29-31 OCTOBER - LAUREL, MARYLAND, USA

Welcome!



24TH ICCRTS THANKS

ICCRTS was conceived with the goal of providing C2-related researchers with a venue and opportunity to present their ideas and findings, get feedback, and foster research collaborations

Thank you for sharing taking the time to write papers and participate in this year's event.

24TH ICCRTS THANKS

to our Host



Jimmie McEver

Kim Cavallo

and the entire APL team

24TH ICCRTS THANKS

to our Program Chair

Ken Teske

24TH ICCRTS THANKS TRACK CHAIRS

Russell Bryant Aletta Eikelboom Jade Freeman Kevin Galvin Patrick Guerin Frank Trethan Johnsen Marco Manso Mark Miller Adrienne Raglin **Greg Robinson Robert Rosas** Justin Schmidt Ken Teske

23RD ICCRTS THANKS

to our many authors

24TH ICCRTS BEST PAPER NOMINEES (1)

Francois Rheaume Risk-based cyber mission assurance model, process and metrics

Anders Josefsson, Björn Marcusson, Joseph Anderson and Arne Norlander Mission Command when waging cyber operations

Shaun Ball, Carien Van'T Wout and Rudolph Oosthuizen.

A Framework for Implementing a Data Science Capability in a Military Intelligence System

Rudolph Oosthuizen and Carien Van'T Wout A Sociotechnical System Perspective on Artificial Intelligence Implementation for Modern Intelligence Systems

24TH ICCRTS BEST PAPER NOMINEES (2)

Kevin Chan, Gregory Judd, Claudia Szabo, Vanja Radenovic, Peter Boyd and Kelvin Marcus Networked information transfer strategies for Multidomain Command and Control

Anderson Ferreira De Oliveira, Tomas Aquino Botelho and Manoel Pedro Sá Command and Control Interoperability Middleware Architecture (INTERC2)

Ritu Gill, Judith van de Kuijt, Magnus Rosell and Ronnie Johansson Disinformation in the Cyber Domain: Detection, Impact, and Counter-Strategies

24TH ICCRTS BEST PAPER NOMINEES (3)

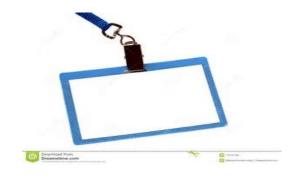
Andrew Zschorn, Hing-Wah Kwok and Wolfgang Mayer Microservice API design to support C2 semantic integration

Frank Johnsen, Trude Bloebaum, Norman Jansen, Gerome Bovet, Marco Manso, Andrew Toth and Kevin Chan Evaluating Publish/Subscribe Standards for Situational Awareness using Realistic Radio Models and Emulated Testbed

Marius Vassiliou C2 in the Mafia

Security

- The conference is an unclassified, open forum for presentations that do not involve sensitive or proprietary information
- ICCRTS is not an appropriate location for classified discussion
- Presentations will be posted to the IC2I website after the conclusion of the conference







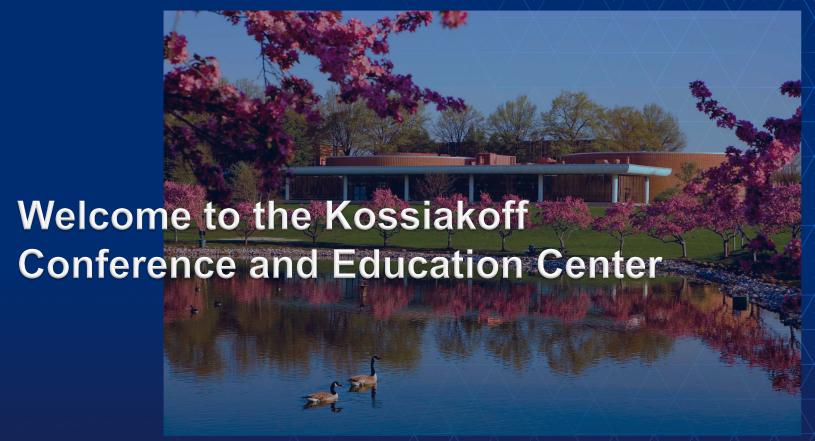
Attribution

- Plenary presentations and Q&A are "not for attribution"
- This facilitates an full and frank exchange of views
- If you wish to quote a statement you must get explicit permission from the speaker

If you refer to the concepts and findings in any of the technical papers, please remember to cite the author and source.

OPEN FORUM







Please note the Nearest EXIT





Please No refreshments in the Auditorium





Please Silence your electronic devices





Restrooms are located on the opposite side of the Lobby



Survey

We want to hear from you

The good... and the bad

Suggestions for future Symposium

Please take the time to fill in your forms

International C2 Institute

- Participation at ICCRTS comes with a one-year membership
- New memberships begin the week after ICCRTS;
 existing memberships are extended
- New members will get instructions in an email

24TH ICCRTS OVERVIEW

Today's Plenaries

Cybersecurity and Risk to Mission

- Don Heckman - Principal Deputy CIO (US DoD)

ICCRTS Track Chairs Preview

Joint and Coalition Command and Control

- Panel Discussion

The Dragonfly Mission to Titan: C2 Challenges of Space Exploration

Mike Ryschewitsch and Ken Hibbard

24TH ICCRTS OVERVIEW

Tomorrow's Plenaries

JHUAPL Welcome

-Tim Galpin Assistant Director for Programs

Reflections

Introduction to ELICIT Ecosystem

Dr. David S. Alberts

Command and Control Research Challenges

- Dr. Craig Lawrence

Managing Cyber Risk to Mission in the National Security Enterprise

- Panel Discussion

23RD ICCRTS OVERVIEW

Thursday's Plenaries

Reflections

Cyber Risk to Mission: Operating in a Cyber Contested Environment – John J. Garstka Director, Cyber (OUSD A-S)

Best Paper Award

Social Events

Reception Tonight from 5:50pm to 7:00pm

25TH ICCRTS CALL FOR PARTICIPATION

Week of 2 November 2020 Southampton, England

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