



# 10<sup>TH</sup> ICCRTS

THE TENTH INTERNATIONAL COMMAND AND CONTROL RESEARCH AND TECHNOLOGY SYMPOSIUM



## Nominations for the Willard S. Vaughan, Jr. for Best Student Paper and Gary F. Wheatley Award for Best Paper

MAP  
OF THE CITY OF  
**WASHINGTON**  
and  
GEORGETOWN D.C.  
PUBLISHED BY W. H. MORRISON  
1876.



# Nominees for Best Student Paper



- Track 1: *Red Zones: Improving the Enemy Ground Force Situation Display in Digital Battle Command and Control Systems*

**Major, Ray M. Ceralde, USA, Joint Military Intelligence College**

- Track 2: *MEBN Logic: A Key Enabler for Network Centric Warfare*

**Paulo Cesar G da Costa, George Mason University**

Francis Fung, Information Extraction and Transport, Inc.

Kathryn B. Laskey, George Mason University

Michael Pool, Information Extraction and Transport, Inc.

Masami Takikawa, Information Extraction and Transport, Inc.

Edward J. Wright, Information Extraction and Transport, Inc.



# Nominees for Best Student Paper



- Track 3: *Proposed Architecture for a Helicopter Information Awareness Module*  
**Maj Carl Oros, Naval Postgraduate School**
- Track 4: *Dynamic Influence Nets: An Extension of Timed Influence Nets for Modeling Dynamic Uncertain Situations*  
**Sajjad Haider, George Mason University**  
Alexander H. Levis, George Mason University
- Track 5: *Using Near Space Vehicles in the Pursuit of Persistent C3ISR*  
**Major Andrew J. Knoedler, USAF Air Command and Staff College**



# Nominees for Best Student Paper



- Track 6: *Development of Metrics to Evaluate Effectiveness of Emergency Response Operations*

**C. Donald Robinson, University of Virginia**

Dr. Donald E. Brown, University of Virginia

- Track 7: *Modeling Insider User Behavior Using Multi-Entity Bayesian Network*

**Ghazi A. AlGhamdi, George Mason University**

Kathryn Blackmond Laskey, George Mason University

Edward J. Wright, Information Extraction and Transport, Inc.

Daniel Barbará, George Mason University

KC Chang, George Mason University



# Nominees for Best Student Paper



- Track 8: *Discovering the Effects-Endstate Linkage: Using Soft Systems Methodology to Perform EBO Mission Analysis*

**Major William E. Young, Jr., USAF Air Command and Staff College**

- Track 14: *Knowledge as Inventory: Near-Optimizing Knowledge and Power Flows in Edge Organizations (Phase One)*

**Douglas J. MacKinnon, Stanford University**

Dr. Raymond E. Levitt, Stanford University

Dr. Mark E. Nissen, Naval Postgraduate School



**And the Willard S. Vaughan, Jr. Best Student  
Paper Award goes to...**



# Willard S. Vaughan, Jr. Award for Best Student Paper



## Track 14: Edge Organizations

### *Knowledge as Inventory: Near-Optimizing Knowledge and Power Flows in Edge Organizations (Phase One)*

#### Authors:

**Douglas J. MacKinnon, Stanford University**

Dr. Raymond E. Levitt, Stanford University

Dr. Mark E. Nissen, Naval Postgraduate School



# Nominees for Best Paper



- Track 1: *Cognitive Work Aids for C2 Planning: Actionable Information to Support Operational Decision Making*  
Jeffrey Wampler, Air Force Research Laboratory  
Randall Whitaker, Northrop Grumman Information Technology  
Emilie Roth, Roth Cognitive Engineering  
Ronald Scott, BBN Technologies  
Mona Stilson, Air Force Research Laboratory  
Gina Thomas-Meyers, Air Force Research Laboratory



# Nominees for Best Paper



- Track 3: *C2 Team Collaboration Experiment – A Joint Research by Sweden and Singapore on Teams in a CPoF Environment*

Mervyn Cheah, Singapore Armed Forces Centre for Military Experimentation

Peter Thunholm, Swedish National Defence College

Lock Pin Chew, Singapore Armed Forces Centre for Military Experimentation

Per Wikberg, Swedish Defence Research Agency

Jan Andersson, Swedish Defence Research Agency

Danielsson Torbjörn, Swedish Defence Research Agency



# Nominees for Best Paper



- Track 4: *The Impact of Network Centric Operations on Warfighter Effectiveness: A Study Using Agent-Based Models*  
Dr. Isaac Porche, RAND  
Brad Wilson, RAND  
Dr. Susan Witty, Dstl/RAND
- Track 5: *Architecture Modeling Approach for Net-Centric Enterprise Services*  
Yun-Tung Lau, Ph.D., Science Applications International Corporation  
Michelle “TJ” King, Science Applications International Corporation  
Walter J. Okon, Defense Information Systems Agency  
David Kye, Defense Information Systems Agency



# Nominees for Best Paper



- Track 6: *Optimizing Lawful Responses to Cyber Intrusions*  
Thomas C. Wingfield, Potomac Institute for Policy Studies  
James B. Michael, Naval Postgraduate School  
Duminda Wijesekera, George Mason University
- Track 7: *An Operational Framework for Battle in Network Space*  
LCol Rob Knight, Canadian Forces Information Operations Group HQ  
Dr. Mark McIntyre, Defence R&D Canada
- Track 8: *Complexity, Networking, and Effects-Based Operations: Approaching the "how to" of EBO*  
Dr. Edward A. Smith, Jr., The Boeing Company



# Nominees for Best Paper



- Track 10: *Communications Research for Command & Control: Human-Machine Interface Technologies Supporting Effective Air Battle Management*  
Robert S. Bolia, Air Force Research Laboratory  
W. Todd Nelson, Air Force Research Laboratory  
Michael A. Vidulich, Air Force Research Laboratory  
Brian D. Simpson, Air Force Research Laboratory  
Douglas S. Brungart, Air Force Research Laboratory
- Track 11: *Policy-Based Command & Control*  
Jay Bayne, PhD, Echelon 4 Corporation  
Raymond Paul, PhD, Department of Defense



# Nominees for Best Paper



- Track 13: *Lessons Learned from Operation AL FAJR: the Liberation of Fallujah*  
Colonel John R. Ballard, PhD, 4th Civil Affairs Group
- Track 14: *A Computational Approach to Diagnosing Misfits, Inducing Requirements, and Delineating Transformations for Edge Organizations*  
Dr. Mark E. Nissen, Naval Postgraduate School



**And the Gary F. Wheatley Best Paper Award  
goes to...**



# Gary F. Wheatley Award for Best Paper



Track 7: Information Operations/Assurance

## *An Operational Framework for Battle in Network Space*

**Authors:**

**LCol Rob Knight, Canadian Forces Information  
Operations Group HQ**

**Dr. Mark McIntyre, Defence R&D Canada**