

Wednesday 7 April 2010					
18:30 Pre-conference registration and welcome meeting (Until 1930)					
Thursday 8 April 2010					
9:00 Registration and coffee					
9:30 Room: Welcome from the conference chair: Dr. Michael Grimaila, Center for Cyberspace Research, WPAFB, Ohio, USA					
9:45 Keynote address: Dr. Michael VanPutte, Defense Advanced Research Projects Agency (DARPA), USA Mission Assurance - Cornerstone of Computer Network Operations					
10:30 Conference splits into streams					
	Room: Stream A: Botnets Chair:	Room: Stream B: Cyber-Security Chair:	Room: Stream C: Malware Chair:	Room: Stream D: Mini track on Mission Assurance Chair: Michael Grimaila	Room: Stream E: Technical Chair:
10:45	An FPGA-based Malicious DNS Packet Detection Tool Thomas Brennon and Barry Mullins , Air Force Institute of Technology, USA	Explosion of Connections Haury Harry , NuParadigm, USA	Malware-Anti-Malware Games Singh Anshuman, Arun Lakhota and Andrew Walenstein , University of Louisiana at Lafayette, USA	Communicating Potential Mission Impact using Shared Mission Representations Hale Brian, Michael Grimaila, Robert Mills, Michael Haas , Air Force Institute of Technology and Phillip Maynard , Air Force Research Laboratory, USA	Improving the Latent Dirichlet Allocation Document Model with WordNet Isaly Laura, Eric Trias and Gilbert Peterson , Air Force Institute of Technology, USA
11:15	Asymmetric Warfare: Challenges and Strategies for Countering Botnets Ollmann Gunter , Damballa Inc. Atlanta, USA (Practitioner Paper)	The Impact of the Increase in Broadband Access on South African National Security and the Average citizen Jansen van Vuuren Joey, Jackie Phahlamohlaka , CSIR, Pretoria, South Africa and Mario Brazzoli , Department of Defence, South Africa	Malware Detection via a Graphics Processing Unit Kovach Nicholas and Barry Mullins , Air Force Institute of Technology, USA	Security Assessment Techniques for Software Assurance – a “Virtual Team” Approach Isaacs Derek, Boecore Inc./ MDA, Colorado Springs, USA (Practitioner paper)	Distributed Hierarchical Identity Management - A Vision Blumenthal Uri, Joshua Haines and gerald O’Leary MIT Lincoln Laboratory, Lexington, USA
11:45	BotNet Communication in an Asymmetric Information Warfare Campaign Barnard Curtis and Barry Mullins , Air Force Institute of Technology, USA	Legal Frameworks to Confront Cybercrime: A Global Academic Perspective Greiman Virginia and Lou Chitkushev , Boston University, MA, USA	An Investigation of Malware Type Classification Dube Thomas, Richard Raines , Gilbert Peterson , Kenneth Bauer and Steven Rogers Air Force Institute of Technology, USA (Research in progress)	AIMFIRST: Planning for Mission Assurance Haigh Tom, Steven Harp and Charles Payne , Adventium Enterprises, Minneapolis, USA (Research in progress)	From ABAC to ZBAC: The Evolution of Access Control Models Karp Alan, Hewlett-Packard Laboratories, Harry Haury , NuParadigm, Michael Davis , Space and Naval Warfare Systems Center (SPAWAR, US Navy) USA
12:15	Lunch <i>Presentation over lunch by Carl Hunt, Directed Technologies, Inc (DTI) Arlington VA, USA</i>				

13:30	Room: Interactive session				
	Room: Stream A: Botnets Chair:	Room: Stream B: Education Chair:	Room: Stream C: Mini track on Counter-insurgency and Asymmetric Approaches to Information Warfare Co-chairs: Matthew Dosmann and Dan Shoemaker	Room: Stream D: Mini track on Mission Assurance Chair: Michael Grimaila	
14:30	Security in the Emerging African Broadband Environment Fryer Bryon, Kris Merritt and Eric Trias, Air Force Institute of Technology, USA	A Hybrid Approach to Teaching Information Warfare Schweitzer Dino and Steven Fulton, USAF Academy, USA	The Weaponry and Strategies of Digital Conflict Coleman Kevin, The Technolytics Institute, USA (Practitioner paper)	Information Asset Value Quantification Expanded Hellesen Denzil, USAF, USA and Michael Grimaila, AFIT, USA	
15:00	Insider Threat Detection using Distributed Event Correlation of Web Server Logs Myers Justin, Michael Grimaila and Robert Mills AFIT, USA	Educating and Training Soldiers for Information Operations Huhtinen Aki-Mauri, Finnish National Defence University, Finland, Edwin Armistead, Goldbelt Hawk LLC and Edith Cowan University, USA and Corey Schou, Idaho State University, Pocatello, USA	Investigation of Network Security Risks Inherent to IPv6 Boxwell Ard Julie, University of California, Davis, CA, USA	Evaluating the Impact of Cyber Attacks on Missions Musman Scott, Aaron Temin, Mike Tanner, Dick Fox, and Brian Pridemore, MITRE Corp, McLean, VA, USA (Research in progress)	
15:30	<i>Refreshments</i>	<i>Refreshments</i>	<i>Refreshments</i>	<i>Refreshments</i>	<i>Refreshments</i>
	<i>Poster contributors will stand by their posters to discuss their research with interested parties during this break</i>				
	Room: Stream A: Analysis Chair:	Room: Stream B: Information Security Chair:	Room: Stream C: Technical Chair:	Room: Stream D: Mini track on Mission Assurance Chair: Michael Grimaila	Room: Stream E: Models & Frameworks Chair:
16:00	Exploitation of Blue Team SATCOM and MILSAT Assets for Red Team Covert Exploitation and Back-channel Communications Rohret David and Jonathan Holston, Joint Electronic Warfare Center, USA	A Stochastic Game Model with Imperfect Information in Cyber Security Shiva Sajjan, Sankardas Roy, Harkeerat Bedi, Dipankar Dasgupta, Qishi Wu, University of Memphis, USA	Federating Enterprises Architectures Using Reference Models Wilson Jeff, Thomas Mazzuchi and Shahram Sarkani, The George Washington University, USA (Research in progress)	Mission Impact: Role of Protection of Information Systems Anderson Evan, Joobin Choobineh, Michael Fazen, Texas A&M University and Michael Grimaila, Air Force Institute of Technology, USA	Framework for Developing Realistic MANET Simulations Burke Ivan and Shahan Naidoo, Council for Scientific and Industrial Research, South Africa and Martin S. Olivier, University of Pretoria, South Africa
16:30	Moderating Roles Of Organizational Capabilities Affecting Information Security Strategy Effectiveness: A Structural Equation Modeling Analysis Hall Jacqueline, Shahram Sarkani and Thomas Mazzuchi, George Washington University, USA (Research in progress)	A Collaborative Process Based Risk Analysis for Information Security Management Systems Karabacak Bilge, TUBITAK and Sevgi Ozkan, METU, Ankara, Turkey	A Blind Scheme Watermarking Algorithm for Data Hiding In RGB Images Using GÖdelization Technique under Spatial Domain Avadhani Peri and Lalitha Bhaskari, AU College of Engineering (A), Andhra Pradesh, India (Research in progress)	Mission Impact of Cyber Events: Scenarios and Ontology to Express the Relationships between Cyber Assets, Missions and Users D'Amico Anita, Laurin Buchanan and John Goodall, AVI - Secure Decisions, Northport and Paul Walczak, Warrior, LLC, Arlington, VA USA (Research in progress)	Growth Through Uncertainty – The Secure E-business Evolution of the Small Firm Mccarthy John, Alan Benjamin, Bryan Mills, Servicetec Ltd, Peter Wyer, Derby University and Don Milne, Bucks New University, UK
17:00		Decision Making by Effective Information Security Managers Pettigrew James, Julie J. C. H. Ryan, Kyle Salous and Thomas Mazzuchi, George Washington University, USA (Research in progress)			
17:30	<i>Close of conference day</i>	<i>Close of conference day</i>	<i>Close of conference day</i>	<i>Close of conference day</i>	<i>Close of conference day</i>
18:30	Bus leaves from Hope Hotel to Conference Dinner				
	Conference Dinner in the Modern Flight room of the National Museum of the US Airforce				
22:00	Bus returns to Hope Hotel				

Friday 9 April 2010				
9:00	Room: Keynote address: Dr. Steve Rogers			
9:50	Introduction to ICIW 2011 by Julie Ryan from The Goerge Washington University			
10:00	Refreshments	Refreshments	Refreshments	Refreshments
	Room: Stream A: Cyber war Chair:	Room: Stream B: Network Security Chair:	Room: Stream C: Intrusion Detection Chair:	Room: Stream D: Critical Infrastructures Chair:
10:30	A High-level Mapping of Cyberterrorism to the OODA Loop Veerasamy Namasha, Council for Scientific and Industrial Research (CSIR), South Africa	Evaluating the Security of Enterprise VoIP Networks Thermos Peter, Palindrome Technologies, USA	Digital Evidence Collection In Cyber Forensics Using Snort Kumar K. T. Praveen, D. Lalitha Bhaskari , P. S. Avadhani , GVP College of Engineering, Visakhapatnam and P. B. Vijaya Kumar, Cyber Forensic Consultant and Advocate, High Court of Andhra Pradesh, Hyderabad, India	Critical Infrastructure Control Systems Vulnerabilities Graddy Marchelle and Dennis Strouble , Air Force Institute of Technology, Wright Patterson AFB, USA
11:00	Operational Art and Strategy in Cyberspace Arwood Sam, Robert Mills and Richard Raines , Air Force Institute of Technology, USA	Simple Trust Protocol for Wired and Wireless SCADA Networks Fadul Jose, Kenneth Hopkinson , Todd Andel , Stuart Kurkowski and James Moore , Air Force Institute of Technology, USA	Real-time Detection of Distributed Zero-day Attacks in Ad Hoc Networks Cannady James, Nova Southeastern University, USA	Civilians in Information Warfare: Conscription of Telecom Networks and State Responsibility for International Cyber Defense Brenner Susan, University of Dayton School of Law and Maeve Dion , George Mason School of Law - Center for Infrastructure Protection USA
11:30	Pearl Harbor 2.0: When Cyber-Acts Lead to the Battlefield Henry Wayne, Jacob Stange and Eric Trias , Air Force Institute of Technology, USA	Ensuring Communication Security In Delay-Tolerant Networks Kärkkäinen Anssi, Finnish Defence Command, Finland	An Application of Deception in Cyberspace: Operating System Obfuscation Murphy Sherry, Todd McDonald and Robert Mills , AFIT, USA	Language-driven Assurance for Regulatory Compliance of Control Systems Gandhi Robin, William Mahoney , Ken Dick and Zachary Wilson ,Nebraska University Center for Information Assurance, University of Nebraska at Omaha, USA (Research in progress)
12:00	Boundary Management and Integration Framework for a Joint Cyber Defence Capability for Military Forces: Analysis and Synthesis from a Through-Life Capability Management Perspective Jansen van Vuuren Joey, CSIR, René Oosthuizen , Monzé Consultants CC and Jan Roodt , CSIR, South Africa (Practitioner paper)	Covert Channels in the HTTP Network Protocol: Channel Characterization and Detecting Man-in-the-Middle Attacks Brown Erik, Bo Yuan , Daryl Johnson , Peter Lutz , Rochester Institute of Technology, Rochester, NY, USA	Security Monitoring and Attack Detection in Non-IP Based Systems Templeton Steven, University of California, Davis, CA, USA (Research in progress)	Information Operations in Space, Absence of Space Sovereignty, Growing Number of Nations Looking Spaceward: Threats and Fears Concerning Established Space-based Military Powers Hyacinthe Berg P. Assas School of Law, La Sorbonne, France and and Larry R. Fleurantin , Fleurantin & Associates, Florida, USA (Research in progress)
12:30	Lunch	Lunch	Lunch	Lunch

	Room: Stream A: Cyber war Chair:	Room: Stream B: Network Security Chair:	Room: Round Table Discussion Facilitated by Richard Arnold	Room: Stream D: Trust and Attack Chair:	Room: Stream E: Steganography Chair:
13:30	Cyberspace:Definition and Implications Ottis Rain and Peeter Lorents , Cooperative Cyber Defence Centre of Excellence, Estonia	The Extremist Edition of Social Networking: The Inevitable Marriage of Cyber Jihad and Web 2.0 West Dondi and Christina Latham , Booz Allen Hamilton, Maryland, USA (Practitioner paper)	<p style="text-align: center;">Round Table Supply Chain Risk Mitigation: Detection Using Non-Software Techniques Led by Richard Arnold, MacAulay-Brown Inc. USA</p>	Verify then Trust: A New Perspective on Preventing Social Engineering Nagy Kristopher , Brian Hale and Dennis Strouble , AFIT, USA	Digital Forensics Detection and Disruption of JPEG Steganography Trawick George and Drew Hamilton , Auburn University, USA
14:00	Expanding CyberSpace Education and Training Boleng Jeff and Michael Henson , US Air Force Academy, Dept of Computer Science, USA	Cyber-Based Behavioral Fingerprinting Robinson David and George Cybenko , Dartmouth College, USA		Automatic Discovery of Attack Messages and Pre and Post-Conditions for Attack Graph Generation Carvalho Marco and Choh Man Teng , Institute for Human and Machine Cognition, Pensacola, FL, USA (Research in progress)	Hiding Appropriate messages in the LSB of JPEG Images Morsy Hamdy , Ahmed Hussein , Faculty of Engineering at Helwan, Joshua Gluckman , American University in Cairo and Fathy Amer , Faculty of engineering at Helwan, Egypt
14:30	<p>Room: A summary of issues raised during the conference. Led by</p>				
15:00	<i>Close of Conference</i>	<i>Close of Conference</i>	<i>Close of Conference</i>	<i>Close of Conference</i>	<i>Close of Conference</i>
	POSTER				
	Decision making in the cyber domain: The influence of trust and mood Stokes Charlene , Joseph Lyons and Michael Haas , AFRL, US				