

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:						
9:45 Keynote address:						
10:30 Conference splits into streams						
	Room: Stream A: Botnets Chair:	Room: Stream B: Cyber-Security Chair:	Room: Stream C: Education Chair:	Room: Stream D: Mini track on Mission Assurance Chair: Michael Grimaila	Room: Stream E: Steganography Chair:	Room: Stream F: Chair:
10:45	An FPGA-based Malicious DNS Packet Detection Tool	Explosion of Connections	Web Labs: Interactively Teaching Information Warfare	AIMFIRST: Planning for Mission Assurance Haigh Tom, Steven Harp and Charles Payne, Adventium Enterprises, USA (Research, Mission) IW-053	Digital Forensics Detection and Disruption of JPEG Steganography	Verify then Trust: A New Perspective on Preventing Social Engineering
11:15	Asymmetric Warfare: Challenges and Strategies for Countering Botnets Ollmann Gunter, Damballa, Inc. USA (Practitioner, Main) IW-041	The Impact of the Increase in Broadband Access on South African National Security and the Average citizen Jansen van Vuuren Joey, Jackie Phahlamohlaka, CSIR South Africa and Mario Brazzoli, Department of Defence, South Africa (Case_study, Main) IW-038	How to Educate and Train the Soldiers of Information Warfare?	PROMISE Process Model for Information Security Engineering	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 (Academic, Main) IW-081	Automatic Discovery of Pre- and Post-conditions for Attack Graph Generation Carvalho Marco, Institute for Human and Machine Cognition, USA (Research, Main) IW-085
11:45	Software Agents vs. Botnets Demskey Evan and Elmarie Biermann, Tshwane University of Technology, South Africa (Research, Main) IW-055	Legal Frameworks for Cybersecurity: An Academic Global Perspective	Long Tail Cyber Education Tousley Scott, MITRE, USA (Research, Main) IW-046	Security Assessment Techniques for Software Assurance – a “Virtual Team” Approach	Code Generated Image Steganography (CGIS) Sayuthi Jaafar, Ministry of Defence, Selangor, Malaysia (Academic, Main) IW-073	Enhancing Situational Awareness Of Operational Information Systems Using a Forward-Chained Expert System
12:15	Lunch	Lunch	Lunch	Lunch	Lunch	Lunch

13:30	Room: Interactive session					
	Room: Stream A: Botnets Chair:	Room: Stream B: Cyber Security 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	Room: Stream E: Forensics and Fingerprinting Chair:	
14:30	BotNet Communication in an Asymmetric Information Warfare Campaign	A Stochastic Game Model with Imperfect Information in Cyber Security	The Weaponry and Strategies of Digital Conflict Coleman Kevin , The Technolytics Institute, USA (Practitioner, Counter) IW-068	Information Asset Value Quantification Expanded	Cyber-Based Behavioral Fingerprinting	
15:00	Africa's Looming Botnet Pandemic Fryer Bryon , Kris Merritt and Eric Trias , Air Force Institute of Technology, USA (Academic, Main) IW-104	Cyber Intervention: Growing a Culture of Information Security-minded Citizens Dodge Dustyn , Mindy Schockling and Eric Trias , Air Force Institute of Technology, USA (Academic, Main) IW-106	Investigation of Network Security Risks Inherent to IPv6 Ard Julie , University of California, Davis, CA, USA (Academic, Counter) IW-044	Defense Considerations for Ensuring Mission Success in a Contested Cyber Environment Anthony Bargar , Dept. of Defense USA (RoundTable, Mission) IW-069	Dead Forensics: A Dying Discipline?	
15:30	Refreshments	Refreshments	Refreshments	Refreshments		
	Room: Stream A: Analysis Chair:	Room: Stream B: Information Security Chair:	Room: Stream C: Intrusion Detection Chair:	Room: Stream D: Mini track on Mission Assurance Chair: Michael Grimaila	Room: Stream E: Models Chair:	Room: Stream F: Malware Chair:
16:00	Moderating Roles Of Organizational Capabilities Affecting Information Security Strategy Effectiveness: A Structural Equation Modeling Analysis	Decision Making by Effective Information Security Managers	Digital Evidence Collection In Cyber Forensics Using Snort Kumar K. T. Praveen , D. Lalitha Bhaskari and P. S. Avadhani , Andhra University, India (Academic, Main) IW-026	Mission Impact of Cyber Events: Scenarios and Ontology to Express Relationships between Network Devices, Missions and Users D'Amico Anita , Laurin Buchanan and John Goodall , AVI - Secure Decisions, USA (Research, Mission) IW-020	A Survivability Model for Mission Critical Systems Zuo Yanjun , University of North Dakota, USA (Academic, Main) IW-042	An Investigation of Malware Type Classification
16:30	A Theoretical Analysis of the Conceptual Challenges of Information Warfare as a Tactical Military Tool	Process Based Risk Analysis for Information Security Management Systems	Real-time Detection of Distributed Zero-day Attacks in Ad Hoc Networks	Evaluating the Impact of Cyber Attacks on Missions Using Business Process Models Temin Aaron and Scott Musman , The MITRE Corporation, USA (Research, Mission) IW-028	A Model for Detecting Source Code Anomalies by Extending Petri Nets Fuhs Jared and James Cannady , Nova Southeastern University, USA (Academic, Main) IW-050	Malware-Anti-Malware Games Singh Anshuman , Arun Lakhota and Andrew Walenstein , University of Louisiana at Lafayette, USA (Academic, Main) IW-103
17:00	Exploitation of Blue Team SATCOM and MILCOM Assets for Red Team Covert and Back-channel Communications	Mission Impact: Role of Protection of Information Systems Choobineh Joobin , Evan Anderson , Michael Fazen , Texas A&M University and Michael Grimaila , Air Force Institute of Technology, USA (Academic, Main) IW-051	Security Monitoring and Attack Detection in Non-IP Based Systems Templeton Steven , University of California, Davis, CA, USA (Research, Main) IW-080	Communicating Potential Mission Impact using Shared Mission Representations Grimaila Michael , Brian Hale , Robert Mills , Air Force Institute of Technology and Phillip Maynard , Air Force Research Laboratory, USA (Academic, Mission) IW-052	Certificate Validation Server Model Applicable for WPKI Diwali Arwa and Omar Batarfi , King Abdulaziz University, Saudi Arabia (Research, Main) IW-018	Malware Detection via a Graphics Processing Unit
17:30	Close of conference day	Close of conference day	Close of conference day	Close of conference day	Close of conference day	Close of conference day
19:00	Conference Dinner at					

Friday 9 April 2010					
9:00	Room: Keynote address:				
9:50	Introduction to ICIW 2011 by Julie Ryan from The Goerge Washington University				
10:00	Refreshments	Refreshments	Refreshments	Refreshments	Refreshments
	Room: Stream A: Cyber war Chair:	Room: Stream B: Network Security Chair:	Room: Stream C: Technical Chair:	Room: Stream D: Critical Infrastructures Chair:	Room: Stream E: Chair:
10:30	A High-level Mapping of Cyberterrorism to the OODA Loop Veerasley Namosha , Council for Scientific and Industrial Research (CSIR), South Africa (Academic, Main) IW-016	Evaluating the Security of Enterprise VoIP networks Thermos Peter , Palindrome Technologies, USA (Case_study, Main) IW-079	A Blind Watermarking Scheme For Data Hiding In RGB Images Using Gödelization Technique Under Spatial Domain	Language-driven Assurance for Regulatory Compliance of Control Systems	Insider Threat Detection using Distributed Event Correlation of Web Server Logs Grimaila Michael , Justin Myers and Robert Mills AFIT, USA (Academic, Main) IW-054
11:00	Towards Development of Operational Art in Cyberspace	Simple Trust Protocol for Wired and Wireless SCADA Networks	Federating Enterprises Architectures Using Reference Models Wilson Jeff , Thomas Mazzuchi and Shahram Sarkani , The George Washington University, USA (Research, Main) IW-029	Civilians and Non-State Actors in Information Warfare: Legal Issues Brenner Susan , University of Dayton School of Law USA Maeve Dion George Mason School of Law - Center for Infrastructure Protection USA (Academic, Main) IW-007	Intelligence activities in Greece and Rome: Extracting lessons
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 (Academic, Main) IW-105	Ensuring Communication Security In Delay-Tolerant Networks Kärkkäinen Anssi , Finnish Defence Forces, Finland (Academic, Main) IW-092	Heuristic Attacks Against Graphical Password Generators	The Coming Struggle for Cyberspace Predominance Miller Robert and Daniel Kuehl , National Defense University, Information Resources Management College, USA (Academic, Main) IW-005	NEO thinks EBO - A way to Shape Perceptions
12:00	Boundary Management and Integration Framework for a Joint Cyber Defence Capability for the South African National Defence Force: 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, Main) IW-039	Autonomic Defense for Mobile Ad hoc Networks Carvalho Marco , IHMC, Richard Ford and William H. Allen , Florida Tech, USA (Academic, Main) IW-094	An Application of Deception in Cyberspace: Operating System Obfuscation Murphy Sherry , Jeffrey McDonald and Robert Mills , AFIT, USA (Academic, Main) IW-036	Critical Infrastructure Control Systems Vulnerabilities	
12:30	Lunch	Lunch	Lunch	Lunch	Lunch

	Room: Stream A: Cyber war Chair:	Room: Stream B: Network Security Chair:	Room: Stream C: Models & Frameworks Chair:	Room: Stream D: Technical Chair:	Room: Stream E: Chair:	
13:30	Cyberspace; Definition and Implications	Vulnerabilities in Infrastructure Wireless Networks and Protocols Addressing the Issues Hassan Wajid , Wichita State University, USA (Academic, Main) IW-107	From ABAC to ZBAC: The Evolution of Access Control Models	Distributed Hierarchical Identity Management - A Vision Blumenthal Uri , MIT Lincoln Laboratory USA Joshua Haines , MIT Lincoln Laboratory USA (Academic, Main) IW-060	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 (Research, Main) IW-058	
14:00	Expanding Cyber Warfare Education and Training Boleng Jeff , Michael Henson and David Gibson , US Air Force Academy, Dept of Computer Science, USA (Academic, Main) IW-095	Cyber International Agreements – Necessary to Protect The Network or a Waste of Time? Rush Jarret and Dennis Strouble , Air Institute of Technology, USA (Academic, Main) IW-072	Framework for Developing Realistic MANET Simulations	On the Development of an Automated Typing Agent Based Data Repository Revett Kenneth , University of Westminster, London, UK (Academic, Main) IW-059	The Finnish Air Surveillance Radar System Evolution – From War Time Experience to Network Enabled Warfare System Lehto Martti , National Defence University and Juha-Antti Lamberg , Helsinki University of Technology, Finland (Academic, Main) IW-063	
	Covert Channels in the HTTP Network Protocol	The Role of Software Agents in Defensive Network Monitoring Dembskey Evan and Elmarie Biermann , Tshwane University of Technology, South Africa (Research, Main) IW-056	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 (Case_study, Main) IW-100	Improving LDA-SOM Text Clustering with Ontologies Isaly Laura and Eric Trias , Air Force Institute of Technology, USA (Academic, Main) IW-017	Transparent Emergency Data Destruction Roberts Warren , John Hale and Christopher Johnson , University of Tulsa, USA (Academic, Main) IW-078	
14:30	Room: A summary of issues raised during the conference. Led by					
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>	