Dr. Edna Reid, Associate Professor, Intelligence Analysis Program, reid2ef@jmu.edu
James Madison University (JMU), Harrisonburg, VA
March 15, 2015 (DRAFT)

Workshop on Cyber Intelligence: Trends in Education, Training, and Workforce Gaps

Date: Mon Apr 20, 2015, JMU Festival Center, Harrisonburg, VA (8am – 4:30 pm)

***Registration:* Cost $85 (Includes .6 CEU credit), no cost for presenters, JMU students, faculty, & staff**

***Projected participants:* 50 external participants & about 50 JMU students & faculty**

***Organizers:* JMU Intelligence Analysis Program, JMU Office of Research & Scholarship, the Military and Operational Intelligence Association/MOIA (JMU student organization), JMU Department of Integrated Science & Technology (ISAT), and JMU College of Integrated Science & Engineering (CISE)**

***Presenters:* FBI, MARFORCYBER COM, DHS, HP, Intelligence & National Security Alliance (INSA), National Defense University, Center for Homeland Defense & Security at Fayetteville State University**

***Overview:* This workshop focuses on an emerging discipline: cyber intelligence (analysis of cyber threats). It provides an opportunity for government, academic, & industry leaders to discuss cyber analysis curriculum development, training, research, & outreach opportunities as well as skill shortage in cyber intelligence.**

Workshop Objectives:

1. Discuss Intelligence and National Security Alliance (INSA) Cyber Intelligence Task Force's white paper on status of cyber intelligence (Intel) education, training, and workforce gaps
2. Share experience and insight about education, training, workforce gaps, and curriculum development such as interdisciplinary undergraduate courses, graduate education, certificates, and training programs

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3. Identify opportunities for academic collaboration with industry, non-profit organizations, and government (e.g., National Defense University (NDU), MARFORCYBER COM, and DHS)
4. Expand outreach to academic community, students, businesses, and government (federal, state, and local)

Proposed Agenda:

Time	Topic	Presenter	Organization Affiliation
8:00	Registration		
8:30-8:40	Welcome	• Edna Reid	• Assoc Professor, Intelligence Analysis Program, ISAT/College of Integrated Science & Engineering (CISE), JMU • Member, Intelligence & National Security Alliance (INSA) Cyber Intelligence Task Force
8:40-8:45	Introduction of JMU President Jonathan Alger	• Dean Bob Kolvoord	• CISE, JMU
8:45-9:00	Introduction of Keynote Speaker	• President Jonathan Alger	• JMU
9-9:45	Keynote Address: "Cyber as a Methodology"	• Peter Mitchener	• FBI, Acting Assistant Section Chief, Cyber Division
9:45-10:15	Break/Networking		
10:15-10:45	INSA White Paper: Training & Education Trends in Cyber Intelligence	• TBD	• INSA Cyber Intelligence Task Force
10:45 - noon	Panel : Government, Industry, and Academic Approaches to Cyber Intelligence	• John Felker • Martin Hembree • David Di Tallo • Peter Mitchener • Dean Checknita	• HP, Cyber Intel Strategy • NSA, MARFORCYBER COM • iCollege, National Defense Univ (NDU) • FBI, Cyber Intel Group • DHS, , Office of Cyber & Infrastructure Analysis
LUNCH (noon – 1 pm) **School of Communication Studies (SCOM 461) Capstone Project: Cybersecurity Awareness Campaign*** **12:30 pm, JMU Students' Panel Discussion (MOIA, Moderator: Jeff Tang, Assoc Dean, CISE**			

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(How students are integrating cyber intelligence and cybersecurity into their JMU activities)			
Workshop Sessions (participants will have the opportunity to attend workshops listed below)			
1:00-2:45	**Session A** – Government Education and Training Initiatives in Cyber • Dean Checknita, Office of Cyber & Infrastructure Analysis, DHS • Martin Hembree, MARFORCYBER COM • Peter Mitchener , FBI Cyber Intel Group • John Craft, Virginia Information Technologies Agency (VITA), Graduate student in JMU Information Security Program	**Session B** – Academic Education and Training Initiatives in Cyber • Noel Hendrickson, Undergraduate Cyber Intelligence Experimental Courses, JMU • Michael Busing, MBA Program in Information Security, JMU • Jean-Pierre Auffret, MS in Management of Secure Information Systems, George Mason Univ (GMU) • Brett Tjaden, Undergraduate & Master in Information Security, Dept of Computer Science, JMU	**Session C – Applying Analytic Techniques to the Cyber Threats (1 - 4:30 pm)** • Brandon Parsons (NSA, MARFORCYBER COM) • In this hands-on workshop, certificate will be available for participants
3:00-4:30	**Session D** – Industry Initiatives in Cyber Intelligence (cyber analysis) and Workforce Demands • John Felker, Cyber Intel Strategy, HP • Lincoln Kaffenberger, Boaz Allen • TBD	**Session E** – Military and Veterans Cyber Initiatives • Charles Curtis, Military Affiliates Cybersecurity Education, Center for Homeland Defense & Security, Fayetteville State Univ • David Di Tallo, Cyber Leadership Program and JMU partnership, iCollege, NDU	

*School of Communication Studies (SCOM 461) **Capstone Project: Cybersecurity Awareness Campaign**
Partnership between IA Program and JMU Information Technology

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