The Fourth Layered Assurance Workshop (LAW) Program

Monday December 6

07:30-08:30	BREAKFAST

08:30-09:00	Welcome and Opening Remarks
	  Rance DeLong, Consultant
	  Gordon Uchenick, Coverity
	  Carolyn Boettcher, Raytheon

09:00-10:00	Keynote:
	  Software Assurance: Enabling Software Resilience
	  and Mitigating Supply Chain Risk
	    Joe Jarzombek
	    Director for Software Assurance
	    National Cyber Security Division
	    U.S. Department of Homeland Security

10:00-10:30	BREAK

10:30-12:00	Invited Talks:
	  Applying a Compositional Method to Incrementally Prove
	  Critical Properties of an Airlock System
	    Elizabeth Leonard
	    Naval Research Laboratory
	
	  On Components and Composition in Constructing
	  and Certifying Secure Software
	    Constance Heitmeyer
	    Naval Research Laboratory
	
	  DISCUSSION

12:00-13:30	LUNCH

13:30-15:00	Contributed Papers and Discussion:
	  Trust Distribution Diagrams: Theory and Application
	    Michael Locasto, University of Calgary; Steven Greenwald, Consultant;
	    and Sergey Bratus, Dartmouth College
	
	  Boundary Flow Modeling
	    Richard Neely
	    Märzen Group LLC
	
	  DISCUSSION

15:00-15:30	BREAK

15:30-16:30	Invited Talk:
	  Incremental Verification and Validation of System Architecture
	  for Software Reliant Systems Using the AADL
	    Bruce Lewis
	    US Army ARMDEC, Redstone Arsenal

16:30-17:30	Contributed Papers:
	  Affordable, Fact-Oriented Assurance with OMG standards
	    Nikolai Mansourov and Djenana Campara,
	    KDM Analytics
	
	  Redefining Static Analysis: A Standards Approach
	    Rama Moorthy and Mike Oara,
	    Hatha Systems

17:30-18:00	LAW Business Meeting and LAW 2011 Planning

The LAW Business Meeting scheduled after the conclusion of sessions on Monday December 6 is open to all interested individuals.

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Tuesday December 7

07:30-08:30	BREAKFAST
08:30-09:00	Prefatory Remarks Rance DeLong

09:00-10:00	Keynote:
	    What is Assurance?
	        <u>John Rushby</u>
	        Program Director - Formal Methods and Dependable Systems
	        SRI International

10:00-10:30	BREAK

10:30-11:30	Invited Talk:
	    Commercial Hardware Assurance -- Validation of the VIA Nano
	        <u>Warren A. Hunt, Jr.</u>
	        Professor
	        University of Texas at Austin

11:30-12:00	Contributed Paper:
	    Capabilities Revisited: A Holistic Approach to Bottom-to-Top
	    Assurance of Trustworthy Systems
	        <u>Peter Neumann</u>, SRI International; and
	        Robert Watson, Cambridge University

12:00-13:30	LUNCH

13:30-15:00	Contributed Papers and Discussion:
	    Separation Kernel Protection Profile Revisited: Choices and Rationale
	        Timothy E. Levin, Thuy D. Nguyen, <u>Cynthia E. Irvine</u>,
	        Naval Postgraduate School; and Michael McEvilley, MITRE
	
	    An Evaluation and Certification Scheme for MILS
	        <u>Rance DeLong</u>, The Open Group
	
	    DISCUSSION

15:00-15:30	BREAK

15:30-17:30	Contributed Papers and Discussion:
	    A Data-Centric Approach for Modular Assurance
	        <u>Gabriela Ciocarlie</u>, Heidi Schubert and Rose Wahlin,
	        Real-Time Innovations
	
	    State-of-the-Art in System-of-Systems Security for
	    Crisis Management
	        Kashif Kifayat, Abdullahi Arabo, Oliver Drew, Madjid Merabti,
	        David Llewellyn-Jones, and Qi Shi, Liverpool John Moores University; and
	        <u>Adrian Waller</u>, Rachel Craddock, and Glyn Jones,
	        Thales Research and Technology
	
	    A Security Scheme for Home Networked Appliances
	        <u>Mazhar Ul Hassan</u>, Madjid Merabti and David Llewellyn-Jones,
	        Liverpool John Moores University
	
	    DISCUSSION

17:30-17:45	Closing Remarks
18:00-20:00	RECEPTION

LAW attendees are invited to attend the ACSAC Reception on Tuesday December 7 at 6 PM.