

Computer Society of India (CSI)

IEEE Computer Society

ISACA, Chennai Chapter

Society for Electronic Transactions and Security (SETS)

Jointly organizing a half day workshop on

Cross Border Cyber Crime & Security

Wednesday - 23rd July 2014 (9.30 AM – 1.00 PM)

(Lunch 1.00 PM)

Objective : What are the new threats and trends posed by Cyber Crimes and mobile “smart” BYOD telecommunication devices that challenge operators and decision makers in today’s rapidly changing user and threat environments? What emerging technologies exist for the advanced prevention, detection, containment, and remediation for computer network defense?

KEY OBSERVATIONS : Detection has replaced defense as a strategy. Advanced effective techniques for defense are operating in industry and showing promising results. National strategies are rarely written as risk/threat based; they outline organizational roles and missions.

Threat assessments increase understanding and document trends. Closing the gap between policy maker understanding and frontline realities is essential. Awareness is not enough: it should lead to informed action. Regulated/directed coordination rarely leads to trusted information sharing. Effective (best) practices exist and are underused at organizational, sector, national and international levels.

Identifying critical services is more important than identifying critical infrastructure. A baseline assessment is essential to measure current and future effectiveness. Training/Exercising for crisis management situations builds relationships, processes, and confidence. Qualitative and Quantitative metrics inform decisions, test hypotheses, and forecast future state.

There is not enough research or discussion on recovery and reconstitution. Military specifications can raise the bar on industry solutions. Acquisition, purchasing, and security decisions are not mutually reinforcing. Conflicting and competing standards exist now and need resolution. Standards are only one way to improve security – not the way to improve security.

THREE NEW TRENDS AND RELATED THREATS : Critical infrastructure systems are increasingly relying on commercial off the shelf (COTS) technologies in view of greater societal dependence on their services and cost. Risks: General lack of awareness of potential risks and exposure to vulnerable industrial control systems leads to attempts to circumvent basic authentication mechanisms; which can cause the possibility of cascading effects across critical infrastructure.

The growing use of (unsecure) mobile technologies and reliance on the Internet of things risks systems with no security features in their design Weaknesses arising from improperly protected/patched devices leads to greater system complexity – leading to operational architectural and organizational complexity-outpacing human ability to comprehend how all pieces work together and contributes to unintended consequences such as greater difficulty in achieving computer network defense.

The Advent of cloud computing and compilation of big data introduces risks to integrity and availability of data and increases the potential for improper use of data and adverse effects on privacy

Resource Person : Mr. Richard HL Marshall is Chairman of the Board/CEO of Secure Exchange Technology Innovations, Chairman of the Board of Secure Alert, VP/Senior Advisor to Axon Global Services, and President of X-SES Consultants, LLC., he currently serves as a Board Member/Special Advisor to: Attensity, Auroras, dot.AIN; Protection Group International; Zofia Consulting, LLC; Mobile Active Defense; International Cyber Security Advisory Dialogue Board; INVNT/IP Global Consortium; and the National Maritime Law Institute. A member of the Senior Cryptologic Executive Service (SCES) Mr .Marshall was the Director of Global Cyber Security Management, National Cyber Security Division, Department of Homeland Security (DHS) by special arrangement between the Director, National Security Agency (DIRNSA) and the Secretary of DHS . Within DHS he directed the National Cyber Security Education Strategy and the Software Assurance; Research and Standards Integration; and Supply Chain Risk Management programs. Mr. Marshall was previously the Senior Information Assurance (IA) Representative, Office of Legislative Affairs at the National Security Agency (NSA) for all NSA Information Security (INFOSEC) matters concerning Congress. He is a nationally and

internationally recognized thought leader on cyber related policy, legal and technical issues. Mr. Marshall has been a **keynote speaker on cyber executive leadership issues** recently at conferences held in **Germany, England, the United States, India, Moldova, China, Thailand and Switzerland.**

Raj Prabhu Ph D is an internationally recognized expert in computational and mathematical modeling and software verification and validation (V&V) that is deployed through a wide range of sciences including IT, oil and gas, agriculture, weather, oceanography and ordinance materials development. Among current projects he is doing critical research sponsored by the United States Department of Defense (DoD), National Science Foundation (NSF) and United States National Aeronautics and Space Administration (NASA). Dr. Raj Prabhu has set up rigorous testing for Center for Advanced Vehicular Systems (CAVS), developed a framework to study ocean currents, worked on multiple projects in injury biomechanics, computation solid mechanics and fluid dynamics, worked on the design and development of occupant-centric vehicular design, physics of cavitation, studied effects on fuel cells, successfully set up a benchmark for manufacturing and set record production which involved implementing ISO Standards 9000 and 14001 for Indian Oil. His unique scientific skills, cultural understanding and multi-lingualism including English, Hindi, Tamil, Malayalam and other Indian languages are invaluable.

Program Venue

Auditorium

Society for Electronic Transactions and Security (SETS)

MGR Knowledge City, Taramani, Chennai - 600 113

Registration Details - (inclusive of Service Tax)				Online payment Details	
				Name of beneficiary	CSI Headquarters Education
Registration will be confirmed on first paid basis; payment can be made by DD favouring "CSI Headquarters Education" or also through net banking. Please attach the proof of transfer of amount by net banking	Category	Members of respective organizations (Rs.)	Non Members (Rs.)	Beneficiary's Bank	Axis Bank Ltd, Adyar Branch, Chennai
	Professional / Faculty member	750	1,000	Account Number	082010100337342
	Last date For Registration with payment 19 th July 2014			MICR Code	6002110 06
				IFS Code	UTIB0000082

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