

# Program IFIP SEC 2012

	Session A1: Attacks and malicious code	Session B1: Security architectures
Chairperson:	S. Furnell	L. Yngstrom
	<i>Relay attacks on secure element-enabled mobile devices</i> , M. Roland, J. Langer, J. Scharinger	<i>Authenticated Key Exchange (AKE) in delay tolerant networks</i> , S.-A. Menesidou, V. Katos
	<i>Would you mind forking this process? A denial of service attack on Android</i> , A. Merlo, A. Armando, M. Migliardi, L. Verderame	<i>OFELIA: A secure mobile attribute aggregation infrastructure for user-centric identity management</i> , A. Augusto, M. E. Correia
	<i>An approach to detecting inter-session data flow induced by object pooling</i> , B. Berger, K. Sohr	<i>Smart OpenID: A smart card based OpenID protocol</i> , A. Leicher, A. Schmidt, Y. Shah
	<i>Embedded eavesdropping on Java card</i> , G. Barbu, C. Giraud, V. Guerin	<i>Peer-to-peer botnet detection based on flow intervals</i> , D. Zhao, I. Traore, A. Ghorbani, B. Sayed, S. Saad, W. Lu
	Session A2: System security	Session B2: Access control
Chairperson:	J.-H. Hoepman	N. Clarke
	<i>Towards a universal data provenance framework using dynamic instrumentation</i> , E. Gessiou, V. Pappas, E. Athanasopoulos, A. Keromytis, S. Ioannidis	<i>Role mining under role-usage cardinality constraint</i> , J. John, S. Sural, V. Atluri, J. Vaidya
	<i>Improving flask implementation using hardware assisted in-VM isolation</i> , B. Ding, F. Yao, Y. Wu, Y. He	<i>HIDE DHCP: Covert communications through network configuration messages</i> , R. Rios, J. Onieva, J. Lopez
	<i>HyperForce: Hypervisor-enforced execution of security-critical code</i> , F. Gadaleta, N. Nikiforakis, J.-T. Muehlberg, W. Joosen	<i>Handling stateful firewall anomalies</i> , F. Cuppens, N. Cuppens, J. Garcia-Alfaro, T. Moataz, X. Rimasson
	<i>RandHyp: Preventing attacks via Xen Hypercall interface</i> , F. Wang, P. Chen, B. Mao	<i>A framework for threat assessment in access control systems</i> , H. Khambhammettu, S. Boulares, K. Adi, L. Logrippo

	Session A3: Database security	Session B3: Privacy attitudes and properties
Chairperson:	M. Olivier	M. Papadaki
	<i>Support for write privileges on outsourced data</i> , S. De Capitani di Vimercati, S. Foresti, S. Jajodia, S. Paraboschi, P. Samarati	<i>Privacy-preserving television audience measurement using smart TVs</i> , G. Drosatos, A. Tasidou, P. Efraimidis
	<i>Malicious users' transactions: Tackling insider threat</i> , Q. Yaseen, B. Panda, W. Li	<i>Tracking users on the Internet with behavioral patterns: Evaluation of its practical feasibility</i> , C. Banse, D. Herrmann, H. Federrath
	<i>Authorization policies for materialized views</i> , S. Nait-Bahloul, E. Coquery, M.-S. Hacid (short paper)	<i>Smartphone Forensics: A proactive Investigation scheme for evidence acquisition</i> , A. Mylonas, V. Meletiadis, B. Tsoumas, L. Mitrou
	Session A4: Social networks and social engineering	Session B4: Applied Cryptography, Anonymity and Trust
Chairperson:	H. Venter	V. Katos
	<i>Modelling social engineering botnet dynamics across multiple social networks</i> , S. Li, X. Yun, Z. Hao, Y. Zhang, X. Cui	<i>Fighting pollution attack in peer-to-peer streaming networks: A trust management approach</i> , X. Kang, Y. Wu (short paper)
	<i>Layered analysis of security ceremonies</i> , G. Bella, L. Coles-Kemp	<i>A small depth-16 circuit for the AES S-Box</i> , J. Boyar, R. Peralta
	<i>Enhancing the security of on-line transactions with CAPTCHA keyboard</i> , Y. Wu, Z. Zhao (short paper)	<i>Formal verification of the mERA-based eServices with trusted third party protocol</i> , M. Christofi, A. Gouget

	Session A5: Usable security	Session B5: Security and trust models
Chairperson:	R. von Solms	F. Cuppens
	<i>My authentication album: Adaptive images-based login mechanism</i> , A. Herzberg, R. Margulies	<i>Security-by-contract for the OSGi platform</i> , A. Philippov, O. Gadyatskaya, F. Massacci
	<i>Balancing security and usability of local security mechanisms for mobile devices</i> , S. Yang, G. Bal	<i>Cyber weather forecasting: Forecasting unknown Internet worms using randomness analysis</i> , H. Park, S.-O. David Jung, H. Lee, H. Peter In
	<i>Analyzing value conflicts for a work-friendly ISS policy implementation</i> , E. Kolkowska, B. De Decker	<i>Incentive compatible moving target defense against VM-colocation attacks in Clouds</i> , Y. Zhang, M. Li, K. Bai, M. Yu, W. Zang
	<i>When convenience trumps security. Defining objectives for security and usability of systems</i> , G. Dhillon, T. Oliveira, S. Susarapu, M. Caldeira	

	Session A6: Short papers	Session B6: Short papers
Chairperson:	Y. Murayama	L. Janczewski
	<i>A framework for anonymizing GSM calls over a smartphone VoIP network</i> , I. Psaroudakis, V. Katos, P. Efraimidis	<i>Open issues and proposals in the IT security management of commercial ports</i> , N. Polemi, T. Ntouskas
	<i>A browser-based distributed system for the detection of HTTPS stripping attacks against web pages</i> , M. Prandini, M. Ramilli	<i>A response strategy model for intrusion response systems</i> , N. Anuar, M. Papadaki, S. Furnell, N. Clarke
	<i>Privacy-preserving mechanisms for organizing tasks in a pervasive eHealth system</i> , M. Milutinovic, V. Naessens, B. De Decker	<i>Intrusion tolerance of stealth DoS attacks to web services</i> , M. Ficco, M. Rak
	<i>Web services security assessment: An authentication-focused approach</i> , Y. Soupionis, M. Kandias	<i>Towards Use-Based Usage Control</i> , C. Grompanopoulos, I. Mavridis

	Session A7: Security economics	Session B7: Authentication and delegation
Chairperson:	N. Cuppens-Bulahia	M. Medina
	<i>A game-theoretic formulation of security investment decisions under ex-ante regulation</i> , G. D' Acquistio, M. Flamini, M. Naldi	<i>Multi-modal behavioral biometric authentication for mobile devices</i> , H. Saevanee, N. Clarke, S. Furnell
	<i>Optimizing network patching policy decisions</i> , Y. Beres, J. Griffin	<i>Analysis and modelling of false synchronizations in 3G-WLAN integrated networks</i> , C. Ntantogian, C. Xenakis, I. Stavrakakis
	<i>A risk assessment method for smartphones</i> , M. Theoharidou, A. Mylonas, D. Gritzalis	
	<i>Empirical benefits of training to phishing susceptibility</i> , R. Dodge, K. Coronges, E. Rovira	<i>Distributed path authentication for dynamic RFID-enabled supply chains</i> , S. Cai, Y. Li, Y. Zhao
		<i>Enhanced dictionary based rainbow table</i> , V. Thing, H.-M. Ying