

- TENTATIVE PROGRAMME v 02 -

THURSDAY – 23rd October, 2008

Theme of the day: Computational Intelligence Methods for Citizens Security

09:00 - 10:00	Registration
10:00 - 10:15	Welcome
10:15 - 11:00	Keynote Speech (Dr. Marios M. Polycarpou - University of Cyprus, Cyprus)
11:00 - 12:40	Session T1: Critical Infrastructures Protection A First Simulation of Attacks in the Automotive Network Communications Protocol FlexRay <i>Dennis K. Nilsson (Chalmers University of Technology, Sweden), Ulf E. Larson (Chalmers University of Technology, Sweden), Francesco Picasso (University of Genoa, Italy), and Erland Jonsson (University of Genoa, Italy)</i> Wireless Sensor Data Fusion for Critical Infrastructure Security <i>Francesco Flammini (ANSALDO STS, Università di Napoli Federico II, Italy), Andrea Gaglione (Università di Napoli Federico II, Italy), Nicola Mazzocca (Università di Napoli Federico II, Italy), Vincenzo Moscato (Università di Napoli Federico II, Italy) and Concetta Pragliola (ANSALDO STS, Italy)</i> Development of Anti Intruders Underwater Systems: Time Domain Evaluation of the Self-Informed Magnetic Networks Performance <i>Osvaldo Faggioni (INGV Sez., Italy), Maurizio Soldani (INGV Sez., Italy), Amleto Gabellone (Italian Navy, Italy), Paolo Maggiani (Italian Navy, Italy), and Davide Leoncini (University of Genoa, Italy)</i> Security Issues in Drinking Water Distribution Networks <i>Demetrios G. Eliades and Marios M. Polycarpou (University of Cyprus, Cyprus)</i> Trusted-computing Technologies for the Protection of Critical Information Systems <i>Antonio Lioy, Gianluca Ramunno, and Davide Vernizzi (Politecnico di Torino, Italy)</i>
12:40 - 13:40	LUNCH
13:40 - 15:00	Session T2: Intelligent Methods for Fighting Crime Identity Resolution in Criminal Justice Data: An Application of NORA <i>Queen E. Booker (Minnesota State University, USA)</i> PTK: An Alternative Advanced Interface for the Sleuth Kit <i>Dario V. Forte, Angelo Cavallini, Cristiano Maruti, Luca Losio, Thomas Orlandi, and Michele Zambelli (Dflabs, Italy)</i> Secure Judicial Communication Exchange using Soft-computing Methods and Biometric Authentication <i>Mauro Cislighi (Project Automation, Italy), George Eleftherakis (SEERC, Greece), Roberto Mazzilli (Project Automation, Italy), Francois Mohier (Airial Conseil, France), Sara Ferri (AMTEC, Italy), Valerio Giuffrida (Italdata, Italy), and Elisa Negroni (Gov3 Ltd, UK)</i> An Artificial Neural Network for Bank Robbery Risk Management: the OS.SIF Web On-line Tool of the ABI Anti-crime Department <i>Carlo Guazzoni and Gaetano Bruno Ronsivalle (OS.SIF - Centro di Ricerca dell'ABI per la sicurezza Anticrimine, Italy)</i>

15:00 - 16:20	Session T3: Text Mining for Security and Intelligence Stalker, a Multilingual Text Mining Search Engine for Open Source Intelligence <i>F. Neri (Synthema, Italy) and M. Pettoni (CIFI/GE, Italy)</i> Computational Intelligence Solutions for Homeland Security <i>Enrico Appiani and Giuseppe Buslacchi (Elsag Datamat spa, Italy)</i> Virtual Weapons for Real Wars: Text Mining for National Security <i>Alessandro Zanasi (University of Bologna, Italy)</i> Hypermetric k-Means Clustering for Content-based Document Management <i>Sergio Decherchi, Paolo Gastaldo, Judith Redi and Rodolfo Zunino (University of Genoa, Italy)</i>
16:20 - 16:40	Coffee Break
16:40 - 17:00	Session T4: Intelligent Methods For Railway Security Monitoring and Diagnosing Railway Signalling with Logic-Based Distributed Agents <i>Viviana Mascardi (University of Genoa, Italy), Daniela Briola (University of Genoa, Italy), Maurizio Martelli (University of Genoa, Italy), Riccardo Caccia (Ansaldo Segnalamento Ferroviario S.p.A., Italy), Carlo Milani (Ansaldo Segnalamento Ferroviario S.p.A., Italy)</i> SeSaR: Security for Safety <i>Ermete Meda (Ansaldo STS, Italy), Francesco Picasso (University of Genoa, Italy), Andrea De Domenico (Ansaldo STS, Italy), Paolo Mazzaron (Ansaldo STS, Italy), Nadia Mazzino (Ansaldo STS, Italy), Lorenzo Motta (Ansaldo STS, Italy), and Aldo Tamponi (Ansaldo STS, Italy)</i>
17:00 - 18:15	Discussion Open Forum: Railway and Critical Infrastructure Security
20:30	Gala Dinner

FRIDAY – 24th October, 2008

Theme of the day: Computational Intelligence for Authentication and security in ICT

08:45 - 09:30	Keynote Speech (Dr. Piero P. Bonissone - General Electric Global Research, USA)
09:30 - 10:50	Session F1: Network Security 1 (a) Automated Framework for Policy Optimization in Firewalls and Security Gateways <i>Gianluca Maiolini (Elsag Datamat, Italy), Lorenzo Cignini (Elsag Datamat, Italy) and Andrea Baiocchi (University of Roma “La Sapienza”, Italy)</i> An Intrusion Detection System based on Hierarchical Self-Organization <i>E.J. Palomo, E. Domínguez, R.M. Luque and J. Muñoz (University of Malaga, Spain)</i> Evaluating Sequential Combination of Two Genetic Algorithm-based Solutions for Intrusion Detection <i>Zorana Bankovi, Slobodan Bojani and Octavio Nieto-Taladriz (Universidad Politécnica de Madrid, Spain)</i> Agents and Neural Networks for Intrusion Detection <i>Álvaro Herrero and Emilio Corchado (University of Burgos, Spain)</i>
10:50 - 11:20	Coffee Break
11:20 - 12:40	Session F2: Network Security 1 (b) SLA & LAC: New Solutions for Security Monitoring in the Enterprise <i>Bruno Giacometti (IFINET s.r.l., Italy)</i> Statistical Anomaly Detection on Real e-Mail Traffic <i>Maurizio Aiello (National Research Council - IEIT, Italy), Davide Chiarella (National Research Council - IEIT, University of Genoa, Italy) and Gianluca Papaleo (National Research Council - IEIT, University of Genoa, Italy)</i> On-the-fly Statistical Classification of Internet Traffic at Application Layer Based on Cluster Analysis <i>Andrea Baiocchi (University of Roma “Sapienza”, Italy), Gianluca Maiolini (ELSAG Datamat, Italy), Giacomo Molina (University of Roma “Sapienza”, Italy) and Antonello Rizzi (University of Roma “Sapienza”, Italy)</i> Flow Level Data Mining of DNS Query Streams for Email Worm Detection <i>Nikolaos Chatzis and Radu Popescu-Zeletin (Fraunhofer Institute FOKUS, Germany)</i>
12:40 - 13:40	LUNCH

13:40 - 15:40	<p>Session F3: Network Security 2</p> <p>Automatic Verification of Firewall Configuration with Respect to Security Policy Requirements <i>Soutaro Matsumoto (University of Tsukuba, Japan) and Adel Bouhoula (University of November 7th at Carthage, Tunisia)</i></p> <p>Cluster Analysis for Anomaly Detection <i>Giuseppe Lieto, Fabio Orsini and Genoveffa Pagano (System Management Inc., Italy)</i></p> <p>Adaptable Text Filters and Unsupervised Neural Classifiers for Spam Detection <i>Bogdan Vrusias and Ian Golledge (University of Surrey, UK)</i></p> <p>A Preliminary Performance Comparison of Two Feature Sets for Encrypted Traffic Classification <i>Riyad Alshammari and A. Nur Zincir-Heywood (Dalhousie University, Canada)</i></p> <p>Dynamic Scheme for Packet Classification Using Splay Trees <i>Nizar Ben-Neji and Adel Bouhoula (University November 7th at Carthage, Tunisia)</i></p> <p>A Novel Algorithm for Freeing Network from Points of Failure <i>Rahul Gupta and Suneeta Agarwal (Motilal Nehru National Institute of Technology, India)</i></p>
15:40 - 16:10	Coffee Break
16:10 - 18:30	<p>Session F4.1: Computational Intelligence Methods for Biometry</p> <p>BSDT Multi-Valued Coding in Discrete Spaces <i>Petro Gopych (Universal Power Systems USA-Ukraine, Ukraine)</i></p> <p>Score Information Decision Fusion using Support Vector Machine for a Correlation Filter Based Speaker Authentication System <i>Dzati Athiar Ramli, Salina Abdul Samad and Aini Hussain (University Kebangsaan Malaysia, Malaysia)</i></p> <p>Application of 2DPCA Based Techniques in DCT Domain for Face Recognition <i>Messaoud Bengherabi (Centre de Développement des Technologies Avancées, Algeria), Lamia Mezai (Centre de Développement des Technologies Avancées, Algeria), Farid Harizi (Centre de Développement des Technologies Avancées, Algeria), Abderrazak Guessoum (Université Saad Dahlab de Blida, Algeria) and Mohamed Cheriet (École des Technologies Supérieur, Canada)</i></p> <p>A Multi-biometric Verification System for the Privacy Protection of Iris Templates <i>S. Cimato, M. Gamassi, V. Piuri, R. Sassi and F. Scotti (Università di Milano, Italy)</i></p> <p>Fingerprint Based Male-Female Classification <i>Manish Verma and Suneeta Agarwal (Motilal Nehru National Institute of Technology, India)</i></p> <p>A Fast and Distortion Tolerant Hashing for Fingerprint Image Authentication <i>Thi Hoi Le and The Duy Bui (Vietnam National University, Vietnam)</i></p> <p>The Concept of Application of Fuzzy Logic in Biometric Authentication Systems <i>Anatoly Sachenko, Arkadiusz Banasik and Adrian Kapczynski (Silesian University of Technology, Poland)</i></p>

16:10 - 18:10	Session F4.2: Secure Communication and Storage
	Bidirectional Secret Communication by Quantum Collisions <i>Fabio Antonio Bovino (Elsag Datamat, Italy)</i>
	Semantic Region Protection Using Hu Moments and a Chaotic Pseudo-random Number Generator <i>Paraskevi Tzouveli, Klimis Ntalianis and Stefanos Kollias (National Technical University of Athens, Greece)</i>
	Random r-continuous Matching Rule for Immune-based Secure Storage System <i>Cai Tao, Ju ShiGuang, Zhong Wei and Niu DeJiao (JiangSu University, China)</i>
	nokLINK: a New Solution for Enterprise Security <i>Francesco Pedersoli and Massimiliano Cristiano (Spin Networks Italia, Italy)</i>
18:30	Closing Ceremony