44th IEEE INTERNATIONAL CARNAHAN CONFERENCE ON SECURITY TECHNOLOGY

TUESDAY 5 OCTOBER 2010

08:00 - 15:00	ICCST Carnahan Cup Golf Tournament	Coyote Creek Golf Club
18:00 - 21:00	Registration and Reception at The Tech Museum of Innovation	Downtown San Jose

WEDNESDAY 6 OCTOBER 2010

Wednesday - AM Session 1: Keynote Addresses		**Hayes Ballroom**
08:00 - 08:15	Opening Remarks for the 44th Annual ICCST	Mr. Daniel Pritchard, Conference Chairman
08:15 - 08:30	Welcome	City of San Jose
08:30 - 09:15	Keynote Address: The Application of Technology to the Broad Context of "Security"	Dr. Bob Day, CEO, Energetic Results
09:15 - 10:00	Keynote Address: United States Northern Command Civil Support	Mr. Gary D. Koch, Jr., USA NORAD/USNORTHCOM HQ
10:00 - 10:25	Refreshment Break	

Wednesday - AM Session 2: (SYST 1) Systems and Architecture		**Hayes Ballroom**
10:30	Session Introduction	Mr. Gordon Thomas
10:30 - 10:50	The Utility of Security Standards	Jennifer Bayuk
10:50 - 11:10	Next Generation Command and Control Systems Architecture	Edwin Morton
11:10 - 11:30	Integrating the Many Faces of Infrastructure Incident Management	Steven G. King
11:30 - 11:50	The Security Telecommunication System of the Vatican City State	Fabio Garzia, Enzo Sammarco and Roberto Cusani

12:00 - 12:50	Lunch Break	

Wednesday - PM Session 1a: (INFO 1) Information Security		**Hayes Ballroom**
13:00	Session Introduction	Mr. Pushkar Godbole
13:00 - 13:20	A Privacy Protection Architecture in Sharing Biometric Information for NATO Applications	Qinghan Xiao
13:20 - 13:40	A Proxy-based Real-time Protection Mechanism for Social Networking Sites	Dwen-Ren Tsai, Allen Y. Chang, Sheng-Chieh Chuang and You-Sheng Li
13:40 - 14:00	Security in Multi-Tenancy Cloud Computing	Amarnath Jasti
14:00 - 14:20	Side Channel Analysis Countermeasures using Obfuscated Instructions	Eric Trias and Yong Kim
14:20 - 14:40	Data Boxes in the Czech Republic and their Security	Vladimír Smejkal and Jindřich Kodl

Wednesday - PM Session 1b: (SYST 2) Systems Engineering and Design		**Monterey Room**
13:00	Session Introduction	Mr. Daniel Pritchard
13:00 - 13:20	Effectiveness Evaluation for Security System Based on Risk Entropy Model and Bayesian Network Theory	Xi Guo and Ruimin Hu
13:20 - 13:40	Using SysML to Model Complex Security Systems	Les Cano
13:40 - 14:00	Pattern Qualifications and Examples of Next-Generation Agile System-Security Strategies	Rick Dove
14:00 - 14:20	Threat-Based Definition of IA- and IA-enabled Products	Philip L. Campbell, Mark Schaefer and Mayuri Shakamuri
14:20 - 14:40	An Open Data Exchange Infrastructure Applied to Physical Security Command and Control	Gregory Valenzuela and John Their
14:40 - 15:00	Refreshment Break	

Wednesday - PM Session 2a: (INFO 2) Information Security	Hayes Ballroom
15:00	Session Introduction	Mr. So-Lin Yen
15:00 - 15:20	An Anti-Fraud Mechanism on IP2PSTN Telephony	Hsia-Ling Chiang, Chia-Hwa Liu and Shih-Ming Cho
15:20 - 15:40	Network Access Control (NAC): An Open Source Analysis of Architectures and Requirements	Gloria J. Serrao
15:40 - 16:00	Network Algorithms for Information Analysis using the Titan Toolkit	William C. McLendon III and Brian Wylie
16:00 - 16:20	Network Maneuver Commander – Artificial Diversity for Cyber Defense	Paul Beraud, Alen Cruz, Suzanne Hassell and Jeffrey J. Wiley
16:20 - 16:40	Performing Cyber Security Analysis using a Live, Virtual, and Constructive (LVC) Testbed	Brian Van Leeuwen and Ron Olsburg
16:40 - 17:00	High Stability Windows Programming for Real Time Control	Bradd Lee Belasco

Wednesday - PM Session 2b: (SCAN 1) X-Ray Screening and Imaging	Monterey Room
15:00	Session Introduction	Mr. Adrian Schwaninger
15:00 - 15:20	Effectiveness of computer-based training for improving detection of improvised explosive devices	Dr. Diana Hardmeier, Rebekka Schibli, Adrian Schwaninger and Moritz Jaeger
15:20 - 15:40	Scatter Enhanced 3D X-ray Imaging for Materials Identification	James Chan
15:40 - 16:00	Can the achieved difficulty level in computer-based training predict results in x-ray image interpretation tests?	Marcia Mendes, Stefan Michel and Adrian Schwaninger
16:00 - 16:20	Enhanced Color Coding Scheme for Kinetic Depth Effect X-ray (KDEX) Imaging	James Chan
16:20 - 16:40	Applying Data Mining to False Alarm Reduction in an Aviation Explosives Detection System	Matthew Merzbacher and Todd Gable
16:40 - 17:00	Autonomous Surveillance Robots with Sodar detection and autonomous navigation system	Javier Duran de Jesus

THURSDAY 7 OCTOBER 2010

Thursday - AM Session 1a: (BIOM 1) Face Recognition and Verification	Hayes Ballroom
8:30	Session Introduction	Mr. Milos Klima
8:30 - 8:50	A study of users' acceptance and satisfaction of biometric systems	Mohamad El-Abed, Romain Giot, Baptiste Hemery and Christophe Rosenberger
8:50 - 9:10	Pose Estimation and Conversion to Front Viewing Facial Image Using 3D Head Model	Chang-En Pu, Jyh-Bin Shiau and Jia-Guu Leu
9:10 - 9:30	Face Segmentation: A comparison between visible and thermal images	Jiri Mekyska, Virginia Espinosa-Duró and Marcos Faundez-Zanuy
9:30 - 9:50	Multi-Processing: A Simple approach for Improving Face Verification.	Marcos del Pozo-Baños, Carlos Travieso, Jesús Alonso and Miguel Ferrer
9:50 - 10:10	Facial Image Processing in Facial Analysis for Real-Time Profiling	Moi Hoon Yap, Hassan Ugail, Reyer Zwiggelaar and Bashar Rajoub

Thursday - AM Session 1b: (PHYS 1) Security Systems Design	Monterey Room
8:30	Session Introduction	Mr. Brian Rich
8:30 - 8:50	Design of a physical security perimeter fencing system	Han Wei Lin
8:50 - 9:10	Design, Implementation and Migration of Security Systems as an Extreme Project	Carol Scharmer
9:10 - 9:30	Constructing a Risk Dependency-based Availability Model	Dwen-Ren Tsai and Hui-An Sang
9:30 - 9:50	Use of a Hybrid Technology in a Critical Security System	David Trujillo
9:50 - 10:10	Video Performance for High Security Applications	Jack C. Connell and Bradley C. Norman
10:10 - 10:30	Refreshment Break	

Thursday - AM Session 2a: (BIOM 2) Biometrics and Evaluations		Hayes Ballroom
10:30	Session Introduction	Mr. Miguel Angel Ferrer
10:30 - 10:50	An Examination of Force Bands in Fingerprint Capture	Benny Senjaya
10:50 - 11:10	Fingerprint Recognition Performance Evaluation for MobileID Applications	Shimon Modi
11:10 - 11:30	Compress Data Format for Handwritten Signature Biometric	Oscar Miguel-Hurtado, Luis Mengibar-Pozo, Michael Lorenz and Richard Guest
11:30 - 11:50	Evaluation of human interaction errors for hand recognition technology	Stephen Elliott
11:50 - 12:10	Improving Security in ID tokens through HW/SW Co-Design	Judith Liu-Jimenez, Raul Sanchez-Reillo and Oscar Miguel-Hurtado

Thursday - AM Session 2b: (RISK) Risk, Modeling and Simulation		Monterey Room
10:30	Session Introduction	Mr. Mark Stroud
10:30 - 10:50	Smart Power Grid Security: A Unified Risk Management Approach	Partha Datta Ray, Mariana Hentea and Rajgopal Harnoor
10:50 - 11:10	Risk-Based Cost-Benefit Analysis for Security Assessment Problems	Gregory Wyss
11:10 - 11:30	Active and Latent Failure Conditions Leading to Human Error in Physical Security Systems	Brian Hennessey
11:30 - 11:50	External and internal influences on the security control process at airports	Olive Wetter, Michael Lipphardt and Franziska Hofer
11:50 - 12:10	Application of Enterprise Modeling & Analysis for Air Cargo Security Cost Estimation	Ed Rao, Dr. John Nestor and Dr. Rekha Pillai

12:10 - 13:00	Lunch Break

Thursday - PM Session 1a: (BIOM 3) Biometrics and Evaluations		Hayes Ballroom
13:00	Session Introduction	Mr. Hsia-Ling Chiang
13:00 - 13:20	Intra-Modal Biometric System Using Hand-Geometry and Palmprint Texture	Juan Jose Fuertes Cebrian, Carlos Travieso and Miguel Ferrer
13:20 - 13:40	Human Versus Biometric Detection of Texture Similarity In Left and Right Irises	Kevin W. Bowyer, Steve Lagree and Sam Fenker
13:40 - 14:00	Establishment of Baseline Performance for "end-to-end" Biometric System Evaluations	Belen Fernandez-Saavedra, Rick Lazarick, Francisco J. Diez-Jimeno and Raul Sanchez-Reillo
14:00 - 14:20	Signature Verification using Local Directional Pattern (LDP)	Miguel Ferrer, Francisco Vargas, Carlos Travieso and Jesus Alonso
14:20 - 14:40	Analysis on the resolution of the different signals in an on-line handwritten signature verification system applied to portable devices	Aitor Mendaza-Ormaza, Oscar Miguel-Hurtado, Raul Sanchez-Reillo and Jaime Uriarte-Antonio

Thursday - PM Session 1b: (COMM) Wireless and Communications		Monterey Room
13:00	Session Introduction	Mr. Ron Clifton
13:00 - 13:20	Potential Uses of a Wireless Network in Physical Security Systems	Edward Witzke
13:20 - 13:40	Software Defined Radio Technologies for Emergency and Professional Wide Band Communications	Cristina de la Morena-Álvarez-Palencia
13:40 - 14:00	A Wireless Perimeter Protection and Intrusion Detection System	Vibeke Libby
14:00 - 14:20	Classification of audio sources using neural network applicable in security or military industry	Milan Navratil, Vojtech Kresalek and Petr Dostalek
14:20 - 14:40		

14:40 - 15:00	Refreshment Break

Thursday - PM Session 2: (SENS 1) Detection Technologies		Hayes Ballroom
15:00	Session Introduction	Mr. Michel Jonckheere
15:00 - 15:20	Automatic Recognition of Malicious Intent Indicators	Hung Nguyen, Mark Koch, Robert Fogler, Casey Giron and Mark Yee
15:20 - 15:40	Impact of New Technology on Bistatic Microwave Intrusion Sensors	Shannon Cramp
15:40 - 16:00	Performance Investigation of Real-time Fiber Optic Perimeter Intrusion Detection Systems Using Event Classification	Dr. Seedahmed S. Mahmoud and Dr. Jim Katsifolis
16:00 - 16:20	Unproven Screening Devices Threaten the Lives of Police and Military	Dale Murray

THURSDAY 7 OCTOBER 2010

17:30 - 21:00	**44th ICCST Conference Banquet**	**Edenvale Room**
17:30	Cash bar	No host
18:15	Banquet	Dolce - Hayes Mansion
19:00	Entertainment	San Francisco Summer of Love
20:45	Awards and Presentations	

FRIDAY 8 OCTOBER 2010

Friday - AM Session 1: (SENS 2) Detection Technologies		**Hayes Ballroom**
8:30	Session Introduction	Mr. Jack Veatch
8:30 - 8:50	Withdrawn	
8:50 - 9:10	Explosive Detection Equipment Program	Adanna Vardian
9:10 - 9:30	Comparative Evaluation of COTS Colorimetric Explosive Detection Equipment (EDE)	Cristina Hoffer
9:30 - 9:50	Combining FM Broadcast,accelerometers, IEEE 802.15.4 wireless and GPS to secure maritime containers.	André Gagnon
9:50 - 10:10	Refreshment Break	

Friday - AM Session 2: (IMAG) Imaging and Tracking		**Hayes Ballroom**
10:10	Session Introduction	Mr. Pieter de Bruyne
10:30 - 10:50	Active Zoom Cameras Control System using Stereo Parallax	Yan Gao and Xiao-Lin Zhang
10:50 - 11:10	360-degree Panoramic Thermal Imaging System for Wide Area Surveillance	Vincent Leboucher
11:10 - 11:30	Traffic Monitoring and Event Analysis based on 3D Video Process	Chang-Lung Tsai and Wei-Leih Hsu
11:30 - 11:50	Advanced Color Image Demosaicing in Security Imaging Technology	Petr Dostal and Milos Klima
11:50 - 12:00	**Conference Closing**	**Hayes Ballroom**