PROCEEDINGS OF SPIE

Sensors, and Command, Control, Communications, and Intelligence (C3I) Technologies for Homeland Security and Homeland Defense VII

Edward M. Carapezza
Editor

17–20 March 2008
Orlando, Florida, USA

Sponsored and Published by
SPIE

Volume 6943

Proceedings of SPIE, 0277-786X, v. 6943

The papers included in this volume were part of the technical conference cited on the cover and title page. Papers were selected and subject to review by the editors and conference program committee. Some conference presentations may not be available for publication. The papers published in these proceedings reflect the work and thoughts of the authors and are published herein as submitted. The publisher is not responsible for the validity of the information or for any outcomes resulting from reliance thereon.

Please use the following format to cite material from this book:
Author(s), "Title of Paper," in *Sensors, and Command, Control, Communications, and Intelligence (C3I) Technologies for Homeland Security and Homeland Defense VII*, edited by
Edward M. Carapezza, Proceedings of SPIE Vol. 6943 (SPIE, Bellingham, WA, 2008) Article CID Number.

ISSN 0277-786X
ISBN 9780819471345

Published by
SPIE
P.O. Box 10, Bellingham, Washington 98227-0010 USA
Telephone +1 360 676 3290 (Pacific Time) · Fax +1 360 647 1445
SPIE.org

Printed in the United States of America.

Publication of record for individual papers is online in the SPIE Digital Library.

SPIEDigitalLibrary.org

Paper Numbering: Proceedings of SPIE follow an e-First publication model, with papers published first online and then in print and on CD-ROM. Papers are published as they are submitted and meet publication criteria. A unique, consistent, permanent citation identifier (CID) number is assigned to each article at the time of the first publication. Utilization of CIDs allows articles to be fully citable as soon they are published online, and connects the same identifier to all online, print, and electronic versions of the publication. SPIE uses a six-digit CID article numbering system in which:

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Contents

ix *Conference Committee*
xiii *Introduction*

CYBERCRIMES AND CYBERTERRORISM TECHNOLOGIES AND SYSTEMS

6943 03 **Behavioral biometrics for verification and recognition of malicious software agents** [6943-02]
R. V. Yampolskiy, V. Govindaraju, Univ. at Buffalo (USA)

6943 05 **Recognition of coordinated adversarial behaviors from multi-source information** [6943-04]
G. M. Levchuk, Aptima, Inc. (USA); D. Lea, Air Force Research Lab. (USA); K. R. Pattipati, Univ. of Connecticut (USA)

ROBOTIC AND MOBILE SENSOR TECHNOLOGIES AND SYSTEMS

6943 06 **SMARBot: a modular miniature mobile robot platform** [6943-05]
Y. Meng, K. Johnson, B. Simms, M. Conforth, Stevens Institute of Technology (USA)

6943 07 **Inexpensive semi-autonomous ground vehicles for defusing IEDs** [6943-06]
C. Davenport, J. Lodmell, P. C. Womble, A. Barzilov, J. Paschal, R. Hernandez, K. T. Moss, L. Hopper, Western Kentucky Univ. (USA)

6943 08 **An RSSI-based filter for mobility control of mobile wireless ad hoc-based unmanned ground vehicles** [6943-07]
P. Wightman, D. Jabba, M. A. Labrador, Univ. of South Florida (USA)

6943 09 **Performance of sensors mounted on a robotic platform for personnel detection** [6943-08]
T. Damarla, US Army Research Lab. (USA)

6943 0A **Stress-resolved and cockroach-friendly piezoelectric sensors** [6943-09]
R. Cooper, H. Lee, J. Butler, J. Gonzalez, Texas A&M Univ. (USA); J. Yi, San Diego State Univ. (USA); B. Vinson, H. Liang, Texas A&M Univ. (USA)

6943 0B **3D modeling of environments contaminated with chemical, biological, radiological and nuclear (CBRN) agents** [6943-10]
P. Jasiobedzki, H.-K. Ng, M. Bondy, MDA (Canada); C. H. McDiarmid, Royal Canadian Mounted Police (Canada)

BIOLOGICAL AND CHEMICAL AGENT SENSOR TECHNOLOGIES AND SYSTEMS

6943 0D **Acoustic based system for detection and localization of impulsive generated chemical events** [6943-12]
A. Morcos, S. Desai, S. Quoraishee, U.S. Army Research, Development and Engineering Command (USA)

6943 0E **Further studies on the detection of chemical agents using an alkaline energy cell** [6943-13]
J. Shewchun, Astris Renewable Energy Systems (USA) and Wayne State Univ. (USA)

6943 0G **Noise spectroscopy of porous silicon gas sensors** [6943-15]
V. M. Aroutiounian, Z. H. Mkhitaryan, A. A. Shatveryan, F. V. Gasparyan, Yerevan State Univ. (Armenia); M. Ghulinyan, L. Pavesi, Univ. of Trento (Italy); L. B. Kish, Texas A&M Univ. (USA); C. G. Granqvist, Uppsala Univ. (Sweden)

6943 0H **Porous silicon near room temperature nanosensor covered by TiO_2 or ZnO thin films** [6943-16]
V. M. Aroutiounian, V. M. Arakelyan, V. Galstyan, K. Martirosyan, Yerevan State Univ. (Armenia); P. Soukiassian, Commissariat a l'Energie Atomique, Lab. SIMA, Univ. de Paris-Sud/Orsay (France)

6943 0I **Design and build a compact Raman sensor for identification of chemical composition** [6943-17]
C. S. Garcia, Old Dominion Univ. (USA); M. N. Abedin, S. Ismail, NASA Langley Research Ctr. (USA); S. K. Sharma, A. K. Misra, Univ. of Hawai'i (USA); S. P. Sandford, NASA Langley Research Ctr. (USA); H. Elsayed-Ali, Old Dominion Univ. (USA)

6943 0J **Tin dioxide thin film hydrogen nanosensor** [6943-18]
V. M. Aroutiounian, A. Z. Adamyan, Z. N. Adamyan, A. H. Arakelyan, Yerevan State Univ. (Armenia)

KEYNOTE SESSION

6943 0K **A computational model of the human visual cortex (Keynote Paper)** [6943-19]
J. S. Albus, National Institute of Standards and Technology (USA)

COMMAND, CONTROL, COMMUNICATIONS, AND INTELLIGENCE (C3I)

6943 0M **Information integration for public safety officers** [6943-21]
S. A. Valcourt, P. Datla, K. Chamberlin, B. McMahon, Univ. of New Hampshire (USA)

6943 0N **Models of feedback and adaptation in multi-agent systems for disaster situation management** [6943-22]
G. Jakobson, Altusys Corp. (USA); J. Buford, Avaya Labs (USA); L. Lewis, Altusys Corp. (USA)

6943 0O **Bayesian performance metrics of binary sensors in homeland security applications** [6943-24]
T. P. Jannson, T. C. Forrester, Physical Optics Corp. (USA)

RADAR AND THROUGH-THE-WALL SENSOR SYSTEMS

6943 0P **Holographic radar imaging privacy techniques utilizing dual-frequency implementation** [6943-25]
D. L. McMakin, T. E. Hall, D. M. Sheen, Pacific Northwest National Lab. (USA)

6943 0Q **Benefits of wide-area intrusion detection systems using FMCW radar** [6943-26]
W. Butler, ICx Radar Systems (USA); P. Poitevin, ICx Radar Systems (Canada); J. Bjornholt, ICx Radar Systems (USA)

6943 0R **Human detection range by active Doppler and passive ultrasonic methods** [6943-27]
A. Ekimov, J. M. Sabatier, The Univ. of Mississippi (USA)

6943 0S **Waveform design for through-the-wall radar imaging applications** [6943-28]
H. Estephan, M. Amin, K. Yemelyanov, A. Hoorfar, Villanova Univ. (USA)

6943 0T **Interpretation of through-the-wall radar imagery by probabilistic volume model building** [6943-29]
Z. Rosenbaum, B. G. Mobasseri, Villanova Univ. (USA)

KEYNOTE SESSION

6943 0U **Design of trustworthy fielded sensor networks** [6943-30]
G. J. Pottie, Univ. of California/Los Angeles (USA)

SECURITY AND SURVEILLANCE SYSTEMS I

6943 0W **Waterway wide area tactical coverage and homing (WaterWATCH) program overview** [6943-32]
G. Driggers, T. Cleveland, L. Araujo, R. Spohr, Miltec Corp. (USA); M. Umansky, U.S. Army Aviation & Missile Research, Development & Engineering Ctr. (USA)

6943 0X **Submarine imaging systems: developing improved capabilities and technologies** [6943-33]
D. M. Duryea, Naval Sea Systems Command (USA); C. E. Lindstrom, Naval Undersea Warfare Ctr. Division (USA); R. Sayegh, Naval Sea Systems Command (USA)

6943 0Y **Results of optical detection trials in harbour environment** [6943-34]
R. A. W. Kemp, TNO Defence, Security and Safety (Netherlands); J. F. de Groot, Thales Naval (Netherlands); S. P. van den Broek, D.-J. J. de Lange, J. Dijk, P. B. W. Schwering, TNO Defence, Security and Safety (Netherlands)

6943 0Z **Maritime acoustic detection of aircraft to increase flight safety and homeland security: an experimental study** [6943-35]
L. Solomon, L. Sim, S. Tenney, U.S. Army Research Lab. (USA)

6943 10 **Real-time processing of a phase-sensitive distributed fiber optic perimeter sensor** [6943-36]
C. K. Madsen, T. Snider, R. Atkins, Texas A&M Univ. (USA); J. Simcik, BCS Advanced Technologies LLC (USA)

6943 11 **Systems and technologies for enhanced coastal maritime security** [6943-37]
E. M. Carapezza, A. Bucklin, Univ. of Connecticut/Avery Point (USA)

SECURITY AND SURVEILLANCE SYSTEMS II

6943 12 **A Compton telescope for remote location and identification of radioactive material** [6943-38]
J. M. Ryan, J. Baker, J. R. Macri, M. L. McConnell, Univ. of New Hampshire (USA); R. Carande, Neva Ridge Technologies, Inc. (USA)

6943 13 **Fusion-based multi-target tracking and localization for intelligent visual surveillance systems** [6943-39]
H. Rababaah, A. Shirkhodaie, Tennessee State Univ. (USA)

6943 14 **Advanced border monitoring sensor system** [6943-40]
R. A. Knobler, M. A. Winston, McQ, Inc. (USA)

6943 15 **A wireless electronic monitoring system for securing milk from farm to processor** [6943-41]
P. Womble, L. Hopper, Western Kentucky Univ. (USA); C. Thompson, Univ. of Kentucky (USA); S. M. Alexander, Univ. of Louisville (USA); W. Crist, F. Payne, T. Stombaugh, Univ. of Kentucky (USA); J. Paschal, R. Moore, Western Kentucky Univ. (USA); B. Luck, N. Tabayehnejab, Univ. of Kentucky (USA)

6943 16 **A demonstrator for an integrated subway protection system** [6943-42]
E. Detoma, P. Capetti, SEPA S.p.A. (Italy); G. Casati, Gambetti Kenologia s.r.l. (Italy); S. Billington, MKS Instruments, Spectra Products (United Kingdom)

6943 17 **Zero false alarm seismic detection and identification systems** [6943-52]
A. Pakhomov, T. Goldburt, General Sensing Systems, LLC (USA)

COUNTER-SNIPER SYSTEMS

6943 18 **Acoustic gunshot location in complex environments: concepts and results** [6943-43]
R. L. Showen, R. B. Calhoun, W. C. Chu, J. W. Dunham, ShotSpotter, Inc. (USA)

6943 19 **Artillery/mortar round type classification to increase system situational awareness** [6943-44]
S. Desai, D. Grasing, A. Morcos, M. Hohil, U.S. Army RDECOM (USA)

6943 1A **Integration of launch/impact discrimination algorithm with the UTAMS platform** [6943-45]
S. Desai, A. Morcos, US Army RDECOM ARDEC (USA); S. Tenney, B. Mays, US Army RDECOM ARL (USA)

INTELLIGENCE EXPLOITATION SYSTEMS AND TECHNOLOGIES

6943 1B **JPEG 2000: fast access to large grayscale images** [6943-46]
M. Lepley, The MITRE Corp. (USA)

6943 1C **Massive-scale video anti-piracy monitoring** [6943-47]
P. Cadaret, UNICON Inc. (USA)

6943 1D **Parallel implementation of high-speed, phase diverse atmospheric turbulence compensation method on a neural network-based architecture** [6943-48]
W. W. Arrasmith, S. F. Sullivan, Florida Institute of Technology (USA)

6943 1E **Dynamic building visualization for first responders** [6943-49]
N. Denny, P. Petrov, 21st Century Systems, Inc. (USA)

6943 1F **Computational acceleration using neural networks** [6943-50]
P. Cadaret, UNICON Inc. (USA)

Author Index

Conference Committee

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1 Keynote Session
Edward M. Carapezza, University of Connecticut (USA) and Defense Advanced Research Projects Agency (USA)

2 Cybercrimes and Cyberterrorism Technologies and Systems
Edward M. Carapezza, University of Connecticut (USA) and Defense Advanced Research Projects Agency (USA)
Todd M. Hintz, Space & Naval Warfare Systems Command SPAWARSYSCEN (USA)

3 Robotic and Mobile Sensor Technologies and Systems
Edward M. Carapezza, University of Connecticut (USA) and Defense Advanced Research Projects Agency (USA)
Todd M. Hintz, Space & Naval Warfare Systems Command SPAWARSYSCEN (USA)

4 Biological and Chemical Agent Sensor Technologies and Systems
Todd M. Hintz, Space & Naval Warfare Systems Command SPAWARSYSCEN (USA)
Stanley A. Erickson, National Institute of Justice (USA)

5 Keynote Session
Edward M. Carapezza, University of Connecticut (USA) and Defense Advanced Research Projects Agency (USA)
Todd M. Hintz, Space & Naval Warfare Systems Command SPAWARSYSCEN (USA)

6 Keynote Session
Edward M. Carapezza, University of Connecticut (USA) and Defense Advanced Research Projects Agency (USA)

7 Command, Control, Communications, and Intelligence (C3I)
Parsa Mirhaji, The University of Texas Health Science Center at Houston (USA)
Edward M. Carapezza, University of Connecticut (USA) and Defense Advanced Research Projects Agency (USA)

8 Radar and Through-the-Wall Sensor Systems
Todd M. Hintz, Space & Naval Warfare Systems Command SPAWARSYSCEN (USA)

9 Keynote Session
Edward M. Carapezza, University of Connecticut (USA) and Defense Advanced Research Projects Agency (USA)

10 Security and Surveillance Systems I
Todd M. Hintz, Space & Naval Warfare Systems Command
SPAWARSYSCEN (USA)

11 Security and Surveillance Systems II
Todd M. Hintz, Space & Naval Warfare Systems Command
SPAWARSYSCEN (USA)
Edward M. Carapezza, University of Connecticut (USA) and Defense Advanced Research Projects Agency (USA)

12 Counter-sniper Systems
Todd M. Hintz, Space & Naval Warfare Systems Command
SPAWARSYSCEN (USA)
Myron E. Hohil, U.S. Army Research, Development and Engineering Command (USA)

13 Intelligence Exploitation Systems and Technologies
Todd M. Hintz, Space & Naval Warfare Systems Command
SPAWARSYSCEN (USA)

Introduction

The interest in sensors and command, control, communication, and intelligence (C3I) technologies for homeland security and homeland defense applications has dramatically increased since September 11, 2001. Government agencies are making large investments to develop homeland defense and security technologies. The task of defending US assets and monitoring our borders is overwhelming, but significant progress is being made in large part by the commitment of this conference's presenters and attendees.

The conference contained 53 papers organized into nine technical and four joint and keynote sessions covering recent advances in Command, Control, Communications, and Intelligence (C3I), Robotic and Mobile Sensor Technologies and Systems, Cyber-crimes and Cyber-terrorism, Security and Surveillance Systems Technologies and Systems, Radar and Through-the-Wall Sensor Systems, Biological and Chemical Agent Sensor Technologies and Systems, Counter-sniper Systems, Intelligence Exploitation Systems and Technologies.

There were two joint keynote/invited sessions with Conference 6963 and two stand-alone keynote/invited sessions. The following six keynote/invited talks were given, and we sincerely thank all of these speakers for very stimulating and relevant presentations:

1) Enhanced cyber security with CyLab Technologies by Dr Pradeep Khosla (Carnegie Mellon University)
2) National Institute of Justice (NIJ): Current R&D in Biometrics by Stanley A. Erickson (National Institute of Justice)
3) A Computational Model of the Human Visual Cortex by Dr James Albus (National Institute of Standards and Technology)
4) MEMS and NEMS technologies for Sensor Applications by Dr Panos Datskos (Oak Ridge National Lab. and Univ. of Tennessee)
5) Design of Trustworthy Fielded Sensor Networks by Dr Greg Pottie (Univ. of California-Los Angeles)
6) Photon-Counting Passive 3D Image Sensing and Processing for Automatic Target Recognition by Dr Edward Watson (Air Force Research Lab.)

Thanks to those who prepared and presented the technical papers and for their contribution to a very successful meeting. The success of this conference is attributed to the participation of the commercial, university, and government research-and-development community as well as to the organizing efforts of the diverse and talented program committee. Thanks also to our program committee members for their dedication, time, and assistance in conference planning and organizing, and especially to those members who were able to participate as

session chairs including: Stanley A. Erickson (National Institute of Justice), Jeff R. Heberley (U.S. Army Armament RD&E Center), Todd M. Hintz (Naval Space and Warfare Center), Myron E. Hohil (U.S. Army Research, Development and Engineering Command), and Tien Pham (Army Research Lab). We could not have had so successful a technical conference without their excellent help and dedication.

Finally, an extra special thanks to all of the conference attendees this year for your interest and enthusiasm. The conference was well attended this year, with a lot of interest in all the sessions. We hope the interest in this technology continues to grow, and that this conference will expand with even greater technical content and significance in future years.

Edward M. Carapezza