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

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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 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) |
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)

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)

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)

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 Hawaii (USA); S. P. Sandford, NASA Langley Research Ctr. (USA); H. Elsayed-Ali, Old Dominion Univ. (USA)

Tin dioxide thin film hydrogen nanosensor [6943-18]

KEYNOTE SESSION

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)

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

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)

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

Holographic radar imaging privacy techniques utilizing dual-frequency implementation [6943-25]
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)

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

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

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

KEYNOTE SESSION

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

SECURITY AND SURVEILLANCE SYSTEMS I

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)

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)

Results of optical detection trials in harbour environment [6943-34]

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)

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)

Systems and technologies for enhanced coastal maritime security [6943-37]
E. M. Carapezza, A. Bucklin, Univ. of Connecticut/Avery Point (USA)
<table>
<thead>
<tr>
<th>ID</th>
<th>Title</th>
<th>Authors</th>
</tr>
</thead>
<tbody>
<tr>
<td>6943-12</td>
<td>A Compton telescope for remote location and identification of radioactive material</td>
<td>J. M. Ryan, J. Baker, J. R. Macri, M. L. McConnell, Univ. of New Hampshire (USA); R. Carande, Neva Ridge Technologies, Inc. (USA)</td>
</tr>
<tr>
<td>6943-13</td>
<td>Fusion-based multi-target tracking and localization for intelligent visual surveillance systems</td>
<td>H. Rababaah, A. Shirkhodale, Tennessee State Univ. (USA)</td>
</tr>
<tr>
<td>6943-14</td>
<td>Advanced border monitoring sensor system</td>
<td>R. A. Knobler, M. A. Winston, McQ, Inc. (USA)</td>
</tr>
<tr>
<td>6943-15</td>
<td>A wireless electronic monitoring system for securing milk from farm to processor</td>
<td>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)</td>
</tr>
<tr>
<td>6943-16</td>
<td>A demonstrator for an integrated subway protection system</td>
<td>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)</td>
</tr>
<tr>
<td>6943-17</td>
<td>Zero false alarm seismic detection and identification systems</td>
<td>A. Pakhomov, T. Goldburt, General Sensing Systems, LLC (USA)</td>
</tr>
</tbody>
</table>

**COUNTER-SNIPER SYSTEMS**

<table>
<thead>
<tr>
<th>ID</th>
<th>Title</th>
<th>Authors</th>
</tr>
</thead>
<tbody>
<tr>
<td>6943-19</td>
<td>Artillery/mortar round type classification to increase system situational awareness</td>
<td>S. Desai, D. Grasing, A. Morcos, M. Hohil, U.S. Army RDECOM (USA)</td>
</tr>
<tr>
<td>6943-2A</td>
<td>Integration of launch/impact discrimination algorithm with the UTAMS platform</td>
<td>S. Desai, A. Morcos, US Army RDECOM ARDEC (USA); S. Tenney, B. Mays, US Army RDECOM ARL (USA)</td>
</tr>
</tbody>
</table>

**INTELLIGENCE EXPLOITATION SYSTEMS AND TECHNOLOGIES**

<table>
<thead>
<tr>
<th>ID</th>
<th>Title</th>
<th>Authors</th>
</tr>
</thead>
<tbody>
<tr>
<td>6943-1B</td>
<td>JPEG 2000: fast access to large grayscale images</td>
<td>M. Lepley, The MITRE Corp. (USA)</td>
</tr>
<tr>
<td>6943-1C</td>
<td>Massive-scale video anti-piracy monitoring</td>
<td>P. Cadaret, UNICON Inc. (USA)</td>
</tr>
</tbody>
</table>
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)

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

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)
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.


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