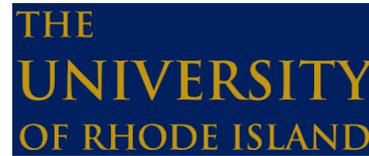


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PANEL 14

Threat Recognition and Prevention

LEADER: Michael Silevitch, Northeastern U., ALERT co-Director

SCRIBE: Kristin Hicks, Northeastern U., ALERT Staff

PANELISTS:

- Douglas Boyd, TeleSecurity Sciences Inc
Automatic Threat Recognition Solutions for Security Imaging
- Richard Moore, Mass. General Hospital, ALERT Tech. Staff
An Application of Radiological Methodologies for the Assessment of Whole Body Screening
- Jimmie Oxley, U. of Rhode Island, ALERT co-Director
A Comprehensive View of Explosive Attack Prevention

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Panel Summary

- The panel provided diverse perspectives on novel methods to identify and prevent terrorist related disasters before they occur.
- Panelists discussed many of the fundamental challenges faced when attempting to identify potential threats, as well opportunities to fine-tune detection methods.

Panel Take-aways

- A cross cutting view of explosive and threat detection in a variety of important venues
- BOYD: Automated threat recognition has the potential to improve security and reduce costs for manual inspection procedures in checked/carryon luggage, shipping, and personal screening
- MOORE: There is considerable synergy between medical image analysis and security screening; methodology (conspicuity) developed can be applied to other whole body screening modalities
- OXLEY: No single methodology will be appropriate for all transportation threats or infrastructure layouts. Controlling explosives precursors, developing new mitigative techniques, and developing alternative procedures that will allow us to resume human/cargo transport are all key.

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