

CLASP Overview

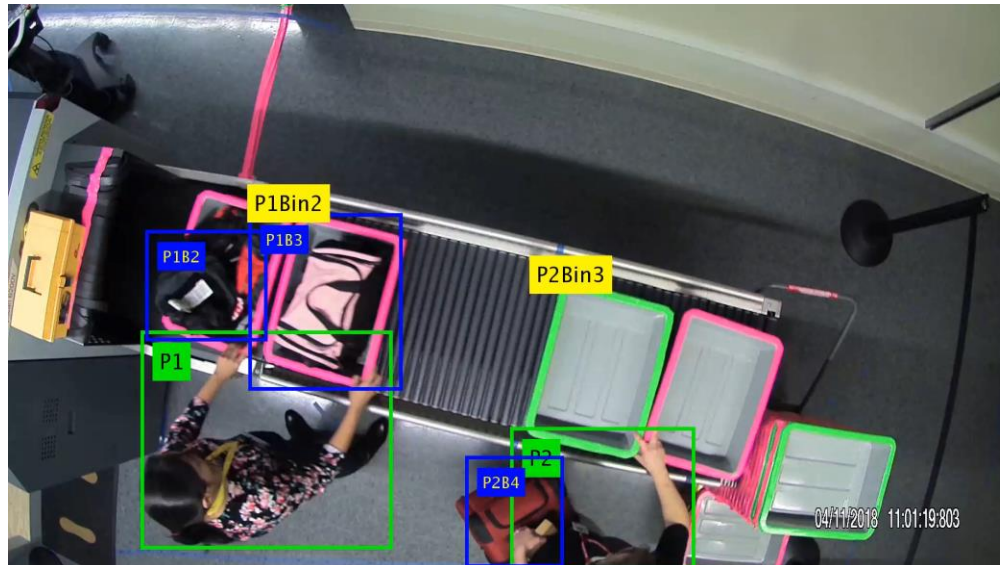
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So What? Who Cares?

- TSA benefit of video tracking passengers and divested items
 - Risk based screening support
 - Data about passenger/divested item sent to/from TSE
 - Identify left-behind and theft
 - Assess bottlenecks



ADSA Format

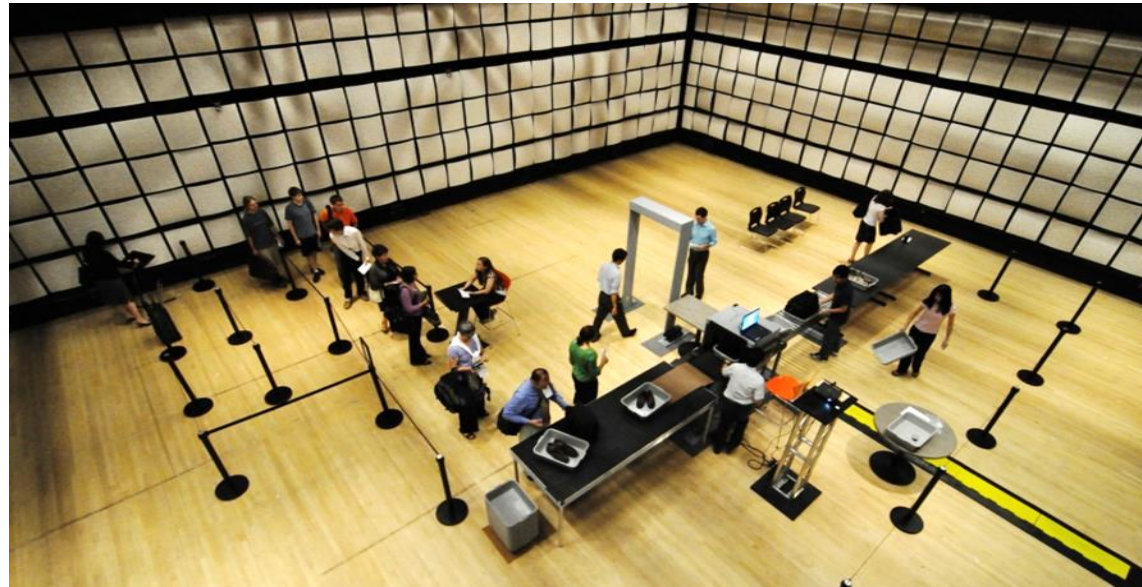
- This is a workshop, not a conference
 - Speakers are instructed to begin with “So What? Who Cares?” (elevator speech)
 - Crawford bears responsibility for format (and agenda)
 - Conversation and questions are expected at all times, especially during presentations after first slide
 - Optimal presentation ends after first slide
- Public domain – no SSI or classified material
- No speaker introductions; read handouts

Acknowledgements - Funding

- John Fortune and Laura Parker, DHS: funding
- Brian Lewis, DHS-SETA: technical support and direction

Previous ALERT Project

- Richard Radke, Rensselaer Polytechnic Institute
- Built mock check point - collected video data
- Developed initial algorithms



Data Collection

- Simulated checkpoint at Kostas Research Institute at NEU
 - Real equipment from TSA
 - Mock equipment
 - X-rays, MMW etc. disabled
 - Rapiscan, thank you for AT2
- 19 video cameras
- Data collection
 - Actors
 - Scripts to create events (e.g., theft)
- Ground truth generated
- Lab will be used for other purposes
- Automated scoring tools & metrics created



Project Team – Tracking Algorithms

- Rich Radke, Rensselaer Polytechnic Institute & Octavia Camps, Boston University
 - Ashraful Islam, Meng Zheng (RPI)
 - Mengran Guo, Dong Yin, Yuexi Zhang (NEU)
- Venkatesh Saligrama, Stan Sclaroff, Boston University
 - Hanxiao Wang (BU)
- Henry Medeiros, Marquette University & Avi Kak, Purdue University
 - Abubakar Siddique, Benjamin Mol (MU)
 - Somrita Chattopadhyay, Constantine Roros (PU)

Project Team – Other Tasks

- Technical Leadership
 - David Castanon, Boston University
 - Carl Crawford, Csuptwo
- Data collection and Scoring Tools
 - Tim Rupprecht & David Potter, Northeastern University
- Program management (Northeastern University)
 - Michael Silevitch & John Beaty, PIs
 - Anne Magrath, Finance
 - Kristin Hicks and team, Support

Acknowledgements - Logistics

- Melanie Smith, lead
- Tiffany Lam
- Deanna Beirne
- Kristin Hicks
- Anne Magrath
- Pooja Ravichandran
- Sara Baier