5ᵗʰ Annual Space Traffic Management Conference: Progress Through Collaboration

THE ROBERT S. STRAUSS CENTER™
FOR INTERNATIONAL SECURITY AND LAW

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Venue and Sequence Day 1

- LBJ Bass Lecture Hall
  - ~200 attendees from industry, government, international, academia, and NGO
  - http://www.ustream.tv/channel/utaustin

- National Airspace Integration

  - Need for increased accuracy and precision

  - Need for improved predictability

  - Relevance of air traffic to space traffic

- STM perspectives from the US Department of Defense

  - Open data architecture, transparency, basic SSA services, benchmark data sets

- Orbital Coordination

  - Understanding, monitoring, and predicting the resident space object population behavior and associated risks: Space object detection, identification, tracking, and characterization

- STM perspectives from the Commercial Spaceflight Federation

Sequence Day 2

- STM Perspectives from Commercial Space Technologies
  - Stone Soup

- Industry Roundtable

  - Incentivizing industry and monetization of STM

- STM Perspectives from Higher Orbits

- Governance Panel

  - United Nations role, state actor roles, etc.

- Government Roundtable

  - Roles and responsibilities, national space policy for UN COPUOS LTS Guideline implementation, etc.

- International Panel

  - ESA SSA program, national needs of space faring nations, overlap?

- Socialization and reception

Sequence Day 3

- AIAA STM Working Group
  - Lexicon, nomenclature, lingua franca
  - STM experiment: stone soup
    - LEO: conjunction analysis and inference
    - GEO: mistaken identity issues
  - State-of-practice
    - Conjunction warnings, collision risks, etc.

- DoD Data Science Working Group

  - Data collection

  - Data Curation

  - Data Fusion

  - Knowledge Extraction

  - Decision Support