

COE CST Sixth Annual Technical Meeting

Task 193: Role of COE CST in EFP

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**Center of Excellence for
Commercial Space Transportation**



Agenda

- Team Members
- Task Description/Goals
- ESIL Format
- Results
- Relevance
- Conclusions and Future Work

Team Members

- New PI – Daniel Scheeres
- Task support – Bradley Cheetham

- Industry Partners



Task Description/Goals

- Host targeted workshops using game-theory based framework for emerging industry leaders
 - Increase industry viability through research, training, and outreach
 - Disseminate information about the commercial space industry
 - Enhance participation and research in key industry topic areas

ESIL Format

- Emerging Space Industry Leaders Workshop
- Length: 1.5 – 2 days
- Attendees: 8-14 Emerging Leaders
- Key Components:
 - 6-8 hours of learning
 - Industry context and workshop motivation
 - Subject matter experts
 - Night 1 working dinner
- Products: Presentations/Papers
- Methodology: Game Theory PARTS Analysis

Results – ESIL-08

- Topic: Cis-lunar resource utilization
- Sponsors: ULA, Advanced Space
- Supporters: Space Angels Network, Masten Space Systems, Altius Space Machines
- Participants: 10
- Product: Presentation at Space Resources Roundtable

Results – ESIL-08



Results – ESIL-09

- Topic: Space Traffic Management
- Sponsors: Secure World Foundation, Advanced Space
- Supporters: AGI, FAA-AST
- Participants: 10
- Product: Ongoing discussion of workshop product

Results – ESIL-09



Relevance

- Extensive industry involvement in subject matter presentations and sponsorship
- Focus on relevant topics: STM, Lunar Resources, Microgravity Research, Commercial Remote Sensing, Smallsat Dedicated Launch, Spaceflight Training, etc...
- Inform, Perform, Network – targeted workforce and research development
- Over 100 participants to date

Conclusions and Future Work

- ESIL workshop format is continually refined and improved
- Next workshop in conceptual planning stages – considering financial/insurance focus possibly in NYC
- Seeking industry partners and sponsors
- Opportunity for others to host and manage
- Documentation available online www.ESIL.space

www.ESIL.space

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