

IEEE Systems Council

Intelligent Transportation Design Technical Committee

Stand-up Meeting – 12/02/15, 8p, Eastern

Meeting Minutes

- I. Attendees
- II. Intelligent Transportation Design Technical Committee
- III. 7 Technical Goals for the Intelligent Transportation Design Technical Committee

Attendees:

- I. Attendees: LaMont McAliley, Ophir Kendler, KoteswaraRao Tatipamula, Roger Oliva

Intelligent Transportation Design Technical Committee

Intelligent Transportation Design will capture the essence of machine-enabled human and cargo transportation through all modes of travel. Issues associated with the safe implementation of electromechanical systems supporting autonomous and semi-autonomous transport will be identified, predicted, and their mitigation strategies will be recommended. Particular attention will be paid to the power processes, internal and external electronics, and the material integrity of electromechanical systems.

7 Technical Goals

Establish a framework that enables efficient characterization of advanced transportation capabilities (Unmanned Aircraft Systems (UAS), Ground Transportation Implementation Planning (GTIP), Electric Aircraft (EA), Space Access (SA), Rail, Sea, and Air). These 7 Use Cases represent TC goals.

- Unmanned Aircraft Systems
 - Current
 - Near Term (5 years)
 - Far Term (10 years)
 - Focus
 - Proposed Working Groups
 - Roadmap & Timeline
- Ground Transportation Implementation Planning
 - Current
 - Near Term (5 years)
 - Far Term (10 years)
 - Focus
 - Proposed Working Groups
 - Roadmap & Timeline
- Electric Aircraft
 - Current

- Near Term (5 years)
- Far Term (10 years)
- Focus
- Proposed Working Groups
- Roadmap & Timeline

- Space Access
 - Current
 - Near Term (5 years)
 - Far Term (10 years)
 - Focus
 - Proposed Working Groups
 - Roadmap & Timeline

- Rail
 - Current
 - Near Term (5 years)
 - Far Term (10 years)
 - Focus
 - Proposed Working Groups
 - Roadmap & Timeline

- Sea
 - Current
 - Near Term (5 years)
 - Far Term (10 years)
 - Focus
 - Proposed Working Groups
 - Roadmap & Timeline
 -

- Air
 - Current
 - Near Term (5 years)
 - Far Term (10 years)
 - Focus
 - Proposed Working Groups
 - Roadmap & Timeline

Discussed the goals identified above. Members decided to take the lead on the goals and identify some objectives and challenges within each of the seven goals. The leads

will began to reach out to others for assistance which include other societies within the IEEE community. The leads for the goals were broken out in the following matter:

- Unmanned Aircraft Systems (Ophir Kendler)
- Ground Transportation Implementation Planning (LaMont McAliley)
- Electric Aircraft (KoteswaraRao Tatipamula)
- Space Access (Roger Oliva)
- Rail (KoteswaraRao Tatipamula)
- Sea (Roger Oliva)
- Air (Roger Oliva)

Action Items:

1. Roger Oliva to develop a template and will send out to the group by Friday 12/4/15
2. The leads of the 7 goals will use the template to begin develop a plan and/or strategic goals for the goal aligned to their specific area.

Next meeting scheduled for Dec.17 at 9:00 PM (EST)