

2018 **TRISMAC**  
TRILATERAL SMA CONFERENCE

JUNE 4-6, 2018 • FLORIDA

## AGENDA

### Day 1: Monday, June 4

**Time (Eastern)**

8:30 a.m. **Registration**

9 a.m. **Welcome and Safety Message**

**Gerald Piasecki** | Interim Center Assessment Manager, National Aeronautics and Space Administration (NASA) Safety Center

9:10 a.m. **Opening Remarks**

**Robert Cabana** | Director, John F. Kennedy Space Center, NASA  
**Terry Wilcutt** | Chief, Safety and Mission Assurance (SMA), NASA  
**Kelly Kabiri** | TRISMAC Event Coordinator and Executive Officer to Chief, SMA, NASA

9:45 a.m. **Keynote Presentation: Human Spaceflight Plans**

**Kathryn Lueders** | Commercial Crew Program Manager, NASA

10:30 a.m. **Break**

11 a.m. **Plenary Session: Key Agency Issues, Policy Updates**

**Terry Wilcutt** | Chief, SMA, NASA  
**Britta Schade** | Head, Product Assurance and Safety Department, European Space Agency (ESA)  
**Shuji Araki** | Manager, SMA Group, Japan Aerospace Exploration Agency (JAXA)

Noon **Lunch Break**

1:30 p.m. **Risk-Based SMA: Approach and Experiences**

**Richard Barney** | Director, SMA, Goddard Space Flight Center, NASA

2 p.m. **Small Satellites – From Launch to Production to Assurance**

*All CubeSats are Not Created Equal: How Mission Success Rates (and Risks) Change with the Builder and Mission Type*

Sponsored by NASA

**Michael Swartwout, Ph.D.** | Department Chair of Aerospace and Mechanical Engineering and Associate Professor, Parks College of Engineering, Aviation & Technology, Saint Louis University

*Challenges for CubeSats to Comply with Safety Requirements*

Sponsored by JAXA

**Mengu Cho, Ph.D.** | Professor, Director, Center for Nanosatellite Testing, Kyushu Institute of Technology

*ANGELS, an Innovative Development and Contribution to the ARGOS System as a Precursor of a New Nanosatellites Product Line*

Sponsored by Centre National d'Études Spatiales (CNES)

**Christian Martin** | Senior Mission Assurance Engineer, CNES

*Small Sat Constellation Assurance Considerations*

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**Doug Sheldon, Ph.D.** | Office Manager, Assurance Technology Program, Jet Propulsion Laboratory, NASA

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### Day 1: Monday, June 4 continued

**Time (Eastern)**

3:30 p.m. **Break**

4 p.m. **Innovations in Models and Dashboards**

*An Integrated Platform for Mission Performance: Goddard Space Flight Center's Meta Information System*

*Sponsored by NASA*

**Thomas Clifford** | Engineering Manager, Goddard Space Flight Center, ARES Corporation

*Applying Systems Theoretic Process Analysis for Safety Culture of Space Application*

*Sponsored by JAXA*

**Naoki Ishihama** | Research and Development Directorate, JAXA

*Generating Fault Management Products and Bayesian Network Models from Model-Based System Engineering SysML Models*

*Sponsored by NASA*

**Michel Izygon, Ph.D.** | Chief Technology Officer, Tietronix Software Inc.

*Galileo Integrity Failure Modes and Effects Analysis*

*Sponsored by ESA*

**Fabrice Cosson** | Manager, Galileo Reliability, Availability, Maintainability and Safety (RAMS), ESA

5 p.m. **Closing Remarks**

**Gerald Piasecki**