

TRISMAC 2008

FINAL PROGRAMME

Day 1 - Monday, 14 April 2008

08.00	Registration
Session 1	A1 - Opening Session
09.00	Opening & Welcome Address <i>M. Courtois - TEC Director / ESTEC Head of Establishment</i> Conference Introduction, Opening Statements and Practical Announcements <i>General Chairs and Organizer</i>
09.30	Abstract Keynote The Significance of Flight Software for Space Programmes - A European Learning Curve <i>Bosma, J.; ESA (Netherlands)</i>
10.00	Abstract Keynote Focal Points in S&MA Activities during JAXA's Next Five Year Planning Period <i>Takeuchi, N.; JAXA (Japan)</i>
10.30	Abstract Keynote Lessons Learned about Lessons Learned <i>O'Connor, B.; NASA Headquarters (United States)</i>
11.00	Coffee Break
Session 1	A2 - Developing and Maintaining SMA Skills (part 1) Chair: Roberto Ciaschi, ESA Co-chair: Alan Phillips, NASA
11.30	Abstract Lessons Learned from a Sample of 20 Launch Vehicles Failures <i>Motet, A.; Arianespace (France)</i>
12.00	Abstract Space Product Assurance in China <i>Ren, L.; Qing, S.; China Astronautics Standards Institute (CASI) (China)</i>
12.30	Abstract Reliability and Quality Assurance of Space Missions – Indian Scenario <i>Tnarasipur Sivaramasastry, N.; Krishnan, R.; ISRO Satellite Centre (India)</i>
13.00	Lunch Break
Session 1	P1 - Developing and Maintaining SMA Skills (part 2) Chair: Roy Malone, NASA Co-chair: Yukio Shimizu, JAXA
14.00	Abstract Lessons Learned at ESA? <i>Warhaut, M.; ESA (Germany)</i>
14.30	Abstract Space Achievements versus Aspirations <i>Hall, G.; Moreton Hall Associates (United Kingdom)</i>
15.00	Abstract Development of Air-coupled Ultrasonic Inspection Device for Spacecraft Insulation <i>Mayuzumi, T.1; Nemoto, N.1; Aoyama, K.1; Matsubara, S.2; Shinoda, K.2; Miyamoto, H.2; 1JAXA (Japan); 2NDIC (Japan)</i>
15.30	Abstract The ESOC Quality Management System from a User Perspective <i>Mantineo, A.; Ferri, P.; Scaglioni, S.; ESA-ESOC (Germany)</i>
16.00	Coffee Break
Session 1	P2 - Streamlining SMA Requirements to New Programs Chair: Takahisa Sato, JAXA

	Co-chair: Jack Bosma, ESA
16.30	Abstract The Evolution of Product Assurance Approaches for EEE Space Components <i>De Marino, R.; ESA (Netherlands)</i>
17.00	Abstract EEE Parts Selection Idea for the Advanced Solid Rocket <i>Matsuzaki, K.; JAXA (Japan)</i>
17.30	Abstract Advanced QMS Activities for Improving Outputs of Research, Development and Operation <i>Yamaoka, Y.; Kawase, S.; Kochi, O.; Institute of Aerospace Technology, JAXA (Japan)</i>
18.00	Cocktail

Day 2 - Tuesday, 15 April 2008

Session 2	A1 - SMA Requirements - Process Consistency across International Programmes Chair: James Lloyd, NASA Co-chair: Koichi Shinozaki, JAXA
08.00	Abstract Workmanship Standards and their Application on ESA Projects <i>Dunn, B.; ESA-ESTEC (Netherlands)</i>
08.30	Abstract NASA Workmanship Project Activities and Future Issues <i>Plante, Jeannette; NASA GSFC (United States)</i>
09.00	Abstract ENSaF - Steps towards a European Space Nuclear Safety Framework <i>Summerer, L.; ESA (Netherlands)</i>
09.30	Abstract Building an Integrated PRA Model Across Oceans and International Boundaries <i>Lutowski, M.; NASA - JSC (United States)</i>
10.00	Abstract The European Cooperation for Space Standardization (ECSS) <i>Balestra, L.; ESA (Netherlands)</i>
10.30	Coffee Break
Session 2	A2 - International Aerospace Quality - Supply Chain Management Chair: Bryan O'Connor, NASA Co-chair: Jack Bosma, ESA
11.00	Abstract The Representation of the Interests of the Space Community within the International Aerospace Quality Group <i>Ciaschi, R.; European Space Agency (Netherlands)</i>
11.30	Abstract Counterfeit Electronic Parts <i>Hughitt, B.; NASA (United States)</i>
12.00	Abstract Consideration of RoHS Issues and Tin Whiskers Evaluation <i>Nemoto, N.; Nakagawa, T.; Mori, H.; Hanamori, M.; Kawada, Y.; Tamura, T.; JAXA (Japan)</i>
12.30	Abstract Developing a NASA Lead-free Policy <i>Sampson, M.; NASA GSFC (United States)</i>
13.00	Lunch Break
Session 2	P1 - SMA Challenges for Human Exploration Chair: Takahisa Sato, JAXA Co-chair: Thomas Hartline, NASA
14.00	Abstract Use of Probabilistic Risk Analysis within the Space Shuttle Program <i>Canga, M.; NASA/Johnson Space Center (United States)</i>
14.30	Abstract Maintainability: The Forgotten "Ility", Essential for Long Term Mission Success

	<i>Fragola, J.1; Pettit, D.2; Putney, B.1; 1Valador Inc. (United States); 2NASA Johnson Spaceflight Center (United States)</i>
15.00	Abstract Reconsideration of the Requirement for Odor Assessment for JAXA Space Station Program <i>Eguchi, S.1; Tachihara, S.1; Kubo, K.1; Matsuo, Y.2; Hosogai, A.2; 1JAXA (Japan); 2JAMSS (Japan)</i>
15.30	Abstract Evaluation of Space Shuttle Solid Rocket Motor Recovery Data, a Lesson Learned for the Ares I Launch Vehicle <i>Safie, F.; Weldon, D.; NASA/MSFC (United States)</i>
16.00	Coffee Break
Session 2	P2 - Successful Applications of Risk Management (part 1) Chair: Mario Ferrante, (TAS-I) ESA Co-chair: Jeevan Perera, NASA
16.30	Abstract NASA's Integrated Risk Management Program <i>Stamatelatos, M.; NASA Headquarters (United States)</i>
17.00	Abstract Overview of NASA's System Safety Requirements in the Context of Risk-informed Decision Making <i>Dezfuli, H.; NASA (United States)</i>
17.30	Abstract Integrating Risk and Knowledge Management for Exploration <i>Lengyel, D.; NASA (United States)</i>
20.00	Dinner

Day 3 - Wednesday, 16 April 2008

Session 3	A1 - Successful Applications of Risk Management (part 2) Chair: Homayoon Dezfuli, NASA Co-chair: Gerhard Thiele, ESA
08.00	Abstract Implementation of Safety and Mission Assurance Risk Identification and Elevation to NASA Expendable Launch Vehicle Services <i>Caimi, R.; NASA Kennedy Space Center (United States)</i>
08.30	Abstract Risk Management on EarthCARE/CPR Project <i>Kimura, T.1; Kojima, M.1; Kumagai, H.2; 1JAXA (Japan); 2NICT (Japan)</i>
09.00	Abstract Hubble Space Telescope Servicing: A Case Study in Analysis and Presentation of Space Program Risk Information <i>Hwa, V.1; Bearden, D.2; 1NASA (United States); 2Aerospace Corporation (United States)</i>
09.30	Abstract Achieving High Reliability and Survivability on Greenhouse Gases Observing Satellite (GOSAT) <i>Kaneko, Y.; Hamazaki, T.; Nakajima, M.; Kasuya, M.; Japan Aerospace Exploration Agency (Japan)</i>
10.00	Abstract Human Factors and Error Management <i>Buehle, E.; Lufthansa</i>
10.30	Coffee Break
Session 3	A2 - SMA QA Priorities for Future Programs (part 1) Chair: Yukio Yamaoka, JAXA Co-chair: Tommaso Sgobba, ESA
11.00	Abstract Effort of Knowledge Management about Space System Development <i>Imamura, H.; Okada, M.; Yamamoto, S.; Mukai, T.; JAXA (Japan)</i>
11.30	Abstract Mission Assurance in Program Design & Assessment for Advanced Space Transportation Systems <i>Nagasaki, M.; JAXA (Japan)</i>
12.00	Abstract

	Process Improvement and Risk Mitigation – QA/PA Contribution to Mission Cost Reduction <i>Mantineo, A.1; Scaglioni, S.1; Vicari, E.2; 1ESA-ESOC (Germany); 2ESA-ESTEC (Netherlands)</i>
12.30	Abstract Independent Engineering Review at JAXA <i>Okada, M.; JAXA (Japan)</i>
13.00	Lunch Break
Session 3	P1 - SMA QA Priorities for Future Programs (part 2) Chair: Detlev Bohle, (DLR) ESA Co-chair: Michael Stamatelatos, NASA
14.00	Abstract Galileo Safety and Dependability Programme for Safety of Life Applications <i>Brown, A.; Watts, N.; European Space Agency (Netherlands)</i>
14.30	Abstract Proposal for International Cooperation for Space Safety Standards <i>Sgobba, T.; ESA (Netherlands)</i>
15.00	Abstract Effective Use and Assessment of GSFC On-orbit Heritage for Greater Mission Success <i>Hsu, F.; Warren, C.; NASA GSFC (United States)</i>
15.30	Abstract Dependability Related Impacts of the Utilization of FPGA's in Space Projects <i>Sarno, M.; Cianci, C.; Caterino, R.; Thales Alenia Space (Italy)</i>
16.00	Coffee Break
Session 3	P2 - SMA QA Priorities for Future Programs (part 3) Chair: Jan van Casteren, ESA Co-chair: Tsugio Watanabe, JAXA
16.30	Abstract Quality versus Complexity <i>Watts, N.; ESA/ESTEC (Netherlands)</i>
17.00	Abstract JAXA's Engineering Effort for Human Error Prevention <i>Hayama, K.; Sekita, R.; JAXA (Japan)</i>
Session 3	P3 - Closing Session
17.30	Highlights/ Recommendations by General Chairs Panel opinions and general discussion