Wednesday, February 12, 2014
EXPLORATION MEDICAL CAPABILITY: INTEGRATED MEDICAL SYSTEM
1:00 p.m.   Floral Hall A1

Chairs: Bara Reyna
        Gary Strangman

1:00 p.m. Rubin D. A. Watkins S. D.
          Exploration Medical System Demonstration Project [#3047]
          Exploration class missions will present significant new challenges and hazards to the health of the astronauts. Beyond low Earth orbit a greater degree of crew autonomy will be required to diagnose medical conditions, develop treatment plans, and implement procedures.

1:15 p.m. Strangman G. E. Jamieson I. M. D. Montgomery R. R.
          SpaceMED 2.1: Prototype Platform for Spaceflight Biomedical Support [#3064]
          SpaceMED 2.1 is a third-generation prototype platform developed to reduce the time and training required to collect, consolidate, synchronize, and display biomedical and environmental data. It will integrate NASA’s EMSD project, and help integrate biomedical diagnostic and countermeasure systems.

1:30 p.m. Zoldak J. T. Stroh J. R. Calaway K. M. Fedak A. J. Novick C. R. Czerwien S.
          Medical Consumable Tracking — An ISS Demonstration [#3139]
          The Medical Consumable Tracking (MCT) System will inventory individual items (medications and medical consumables) and the usage of those items using Radio Frequency Identification (RFID) technology. Each medical consumable and medication will have a RFID tag.

1:45 p.m. Rasbury J. Chin D. A. Rubin D. Watkins S. D.
          Dental Imaging for Exploration Medical Systems [#3120]
          Dental imaging capability is being evaluated for exploration missions.

2:00 p.m. Moore F. B. Winthe S. W. Lu V. Giri S. Wisocki P.F.
          Combined System Testing of Reusable Electrodes and Electrocardiographic Hardware for Exploration Medical Capability Demonstration

2:15 p.m. DISCUSSION

2:30 p.m. BREAK