

Session Program

9-13 Jul 2017



CEC-ICMC 2017 - Abstracts, Timetable and Presentations

C10rD - Aerospace: JWST and Propellant Storage

Monona Terrace Community and Convention Center
Madison, Wisconsin USA

Monday 10 July

16:00

C10rD - Aerospace: JWST and Propellant Storage

Session | **Location:** Madison Ballroom AD | **Conveners:** Ian McKinley, Ali Hedayat

16:00-16:15

Cryogenic Testing of the Thermal Vacuum Chamber and Ground Support Equipment for the James Webb Space Telescope in Chamber A at Johnson Space Center

Speaker

Michael DiPirro

16:15-16:30

The Design and Testing of Large Cryogenic Space Radiators for the James Webb Space Telescope

Speakers

Ryan Taylor, Eric Marquardt

16:30-16:45

Thermal analysis of a prototype cryogenic polarization modulator for use in a space-borne CMB polarization experiment

Speaker

Dr Teruhito Iida

17:00-17:15

Zero Boil-Off Control Methods for Large Scale Liquid Hydrogen Tanks using Integrated Refrigeration and Storage

Speaker

Bill Notardonato

17:15-17:30

Liquid Hydrogen Supported Foil Bearings for Launch Vehicle Propellant Densification

Speaker

Mr Robert Fuller

17:30-17:45

Large Scale Production of Densified Hydrogen to the Triple Point and Below

Speaker

Adam Swanger

17:45