



Spacecraft Thermal Control Workshop March 11 – 13, 2008

Call for Presentations

The 19th Spacecraft Thermal Control Workshop will be held at The Aerospace Corporation in El Segundo, California, March 11-13, 2008. The workshop provides a forum for the aerospace thermal control community to share information relative to new technology developments and lessons learned. It is open to all government contractors and military personnel.

Abstract deadline:

November 9, 2007

Presentation submittal deadline:

February 1, 2008

The workshop planning committee requests that prospective authors submit abstracts on topics related to spacecraft thermal control in technical subjects that include:

Spacecraft Thermal Control Design

- Electronic Box Thermal Design
- Interface Conduction
- Software Experiences
- Thermal Environments
- Thermal Margins
- Thermal Surface Finishes and Degradation

Heat Pipe Technology

- Cryogenic Heat Pipes
- Heat Pipe Working Fluids
- Looped Heat Pipes
- Miniature Heat Pipes
- Pumped Fluid Loops

Advanced Thermal Control Hardware

- Advanced Radiators
- Composite Materials
- Cryogenic Hardware
- Heat Switches
- Heaters, Thermostats and Controllers
- Louvers
- MEMS Thermal Technology
- Multilayer Insulation and Barriers
- Thermoelectric Coolers
- Phase Change Materials and Heat Sinks
- Thermal Control Paints and Coatings
- Thermal Straps
- Variable Emittance Surfaces

Advanced Analysis Methods and Techniques

- Techniques in Thermal Modeling
- Thermal Computer Codes Experiences
- Thermal Model Development

Thermal Test Methods and Applications

- Thermal Model Correlation
- Thermal Test Facilities
- Verification of Thermal Requirements

Lessons Learned in Spacecraft Thermal Control

- Flight Anomaly Resolution
- Test Observations
- Design Lessons

Abstracts should be about 200 words in length, present new and significant applications, include lessons learned, if applicable, and focus on sharing relevant technical information with the aerospace thermal community.

Abstracts, including paper title, author name(s), mailing address, telephone number, facsimile number, and email address, should be submitted no later than November 9, 2007.

Email abstracts to the Technical Chair, Ed Fong: ed.fong@aero.org

General Chair

Kelvin Cheung

kelvin.cheung@aero.org

Administrative Chair

Sean Davis

sean.e.davis@aero.org

Technical Chair

Ed Fong

ed.fong@aero.org

Organizational Chair

Leslie Peterson

leslie.a.peterson@aero.org

For more information visit our web site at: <http://www.aero.org/conferences/stcw/>