

Workshop on Extreme Environments Technologies for Space Exploration May 14, 2003

Pasadena Convention Center , Room C106

Session I:

Electronic Devices and Circuits for Extreme Temperatures-Part 1

Chair: R. Patterson-NASA Glenn

- Focused on wide and low temperature operations of devices and circuits

Session II

Transducers, Materials, and Packaging for Extreme Environments

Chair: P. McCluskey-CALCE, U. Maryland

- Properties of materials, sensors, packaging, high g systems for extreme environments

Plenary Session

Chair: J. Cutts and C. Peterson-JPL

- Focused on low temperature technologies for space missions

Workshop on Extreme Environments Technologies for Space Exploration May 15, 2003

Pasadena Sheraton Hotel, Justin Room

Session I:

Electronic Devices and Circuits for Extreme Temperatures-Part 2

Chair: B. Blalock-U. Tennessee

- Focused on high temperature electronics and circuit design

Session II

Systems and Applications for Extreme Environments

Chair: E. Brandon-JPL and R. Kirschman-Consulting Physicist

- Applications of extreme environments technologies in low temperature and high temperature systems (automotive, well logging)

Session III:

Power generation and Storage for Extreme Environments-Part 1

Chair: K. Bugga and J.P. Fleurial-JPL

- Low temperature batteries and solar cells for extreme environments

Workshop on Extreme Environments Technologies for Space Exploration May 16, 2003

Pasadena Sheraton Hotel, Justin Room

Session I:

Power generation and Storage for Extreme Environments-Part 2

Chair: K. Bugga and J.P. Fleurial-JPL

- Focused on high temperature batteries

Session II

Thermal Control for Low and high Temperatures

Chair: Gaj Birur-JPL

- Thermal control for space applications in extreme environments

Plenary Session:

Chair: J. Cutts and C. Peterson-JPL

- Focused on high temperature/high pressure technologies for mission applications