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Paper Session I-C - Commercial Applications of Spaceport Cryogenic Technologies: Technologies, Facilities, Capabilities, and Expertise

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ABSTRACT
Space Congress 2004
Session 1C - Commercial Use of Spaceport Technologies

Commercial Applications of Spaceport Cyrogenic Technologies: Technologies, Facilities, Capabilities, and Expertise

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As our Nation's premier launch site, Kennedy Space Center (KSC) is home to cryogenic researchers developing technology solutions to meet the challenges of efficient space transportation. As part of NASA's technology commercialization mission, KSC has established an innovative approach to promote partnerships with both commercial industry and other federal agencies. These partnerships are targeted at cross-cutting technology areas that benefit from KSC's unique low-temperature capabilities. This session will present an overview of the cryogenic research, development and testing work being performed at the Cryogenics Test Laboratory at KSC. Additionally, a summary of the various external partnership that have been performed in this area will be presented. Each partnership activity will include an overview of customer's needs, a summary of KSC support provided and the results of the partnership. In addition, KSC's Cryogenic Test Laboratory and associated capabilities will be discussed with particular emphasis on our resident expertise.