

## Best Papers

### ASME Propulsion Best Paper

AIAA Paper 2008-4505, "Innovative High Temperature Compliant Surface Foil Face Seal Development," by Hooshang Heshmat and James Walton, Mohawk Innovative Technology Inc., Albany, New York.

### AIAA Air Breathing Propulsion Best Papers

AIAA Paper 2008-0117, "The Time-resolved Flow within an Unsteady Ejector," by Jonathan Heffer, Magdalene College, Cambridge, UK and Robert Miller and Chris Freeman, Whittle Laboratory, University of Cambridge, UK.

AIAA Paper 2009-1423, "Scalability of Ethylene Gaseous Jets for Fueling High-Speed Air-Breathing Combustors," by Michael Ryan, Universal Technology Corporation, Dayton, Ohio, Kuo-Cheng Lin, Taitech Inc, Beavercreek, Ohio, Campbell Carter, Mark Gruber, and Charbel Raffoul, Air Force Research Laboratory, Wright Patterson AFB, Ohio.

### AIAA Electric Propulsion Best Paper

AIAA Paper 2008-4824, "ST7-DRS Colloid Thruster System Development and Performance Summary," by Vlad Hruby, Douglas Spence, Nathaniel Demmons, Thomas Roy, Eric Ehrbar, Jurg Zwahlen, and Roy Martin, Busek Co., Inc., Natick Massachusetts, John Ziemer and Thomas Randolph, Jet Propulsion Laboratory, Pasadena, California, William Connelly, Electronic Design Associates, Dover, Massachusetts, Scott Rhodes, VTECH Engineering Corporation, Andover, Massachusetts, and Warren Tolman, Assurance Technology Corporation, Carlisle, Massachusetts.

### AIAA Ground Test Best Papers

AIAA Paper 2008-0847, "Bayesian Inference in the Modern Design of Experiments," by Richard DeLoach, NASA Langley Research Center, Hampton, Virginia.

AIAA Paper 2009-1156, "Uncertainty Analysis for the Evaluation of a Passive Runway Arresting System," by Richard DeLoach, NASA Langley Research Center, Hampton, Virginia.

### AIAA Liquid Propulsion Best Paper

AIAA Paper 2008-4658, "Numerical Analysis of Flow-Induced Structural Vibration in the LE-7A Liquid Hydrogen Pump," by Nobuhiro Yamanishi, Miki Nishimoto, Syuusuke Hori, Koichi Okita, Japan Aerospace Exploration Agency; Chisachi Kato, Shinobu Yoshimura, and Tomonori Yamada, University of Toyko, Japan; and Hirotsuka Kure, IHI Corporation, Toyko, Japan.

### AIAA Nuclear and Future Flight Propulsion Best Paper

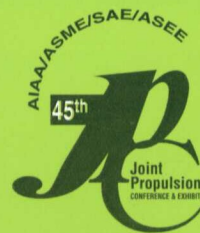
AIAA Paper 2008-4759, "Three-Dimensional Modeling of Magnetic Nozzle Processes," by Heath Lorzell and Pavlos Mikellides, Arizona State University, Tempe, Arizona.

### AIAA Propellants and Combustion Best Paper

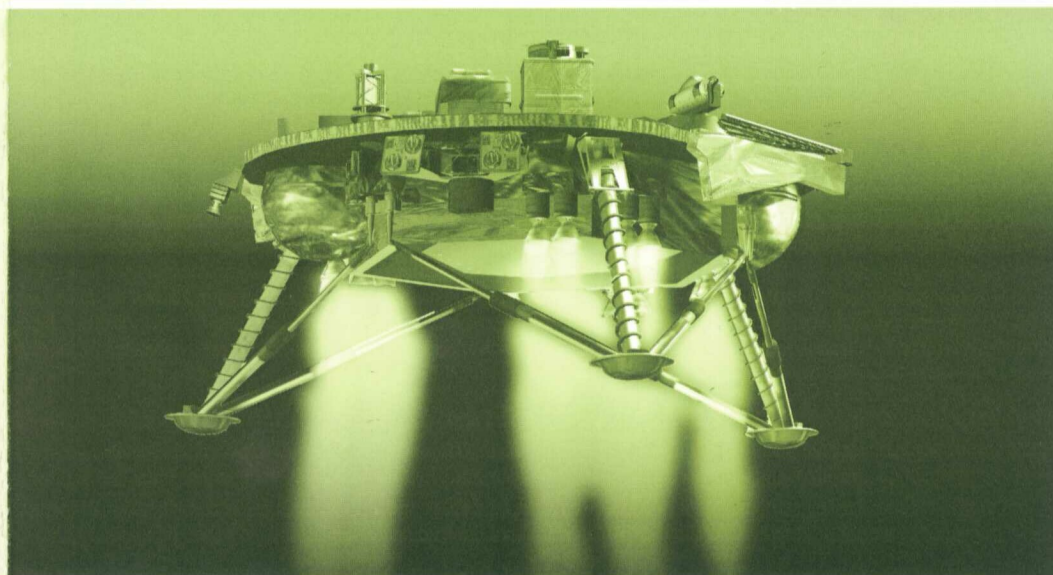
AIAA Paper 2008-1062, "Dual-Mode Combustion of a Jet in Cross Flow with Cavity Flameholder," by Daniel Micka and James Driscoll, University of Michigan, Ann Arbor, Michigan.

### AIAA Solid Rockets Best Paper

AIAA Paper 2008-4979, "Thrust Oscillations in Solid Rocket Motors," by Jean Francois Guery, Severine Ballereau, Franck Godfroy, Stany Gallier, Olivier Orlandi, Patrick Della Pieta, SNPE, France; and Eric Robert and Nathalie Cesco, CNES, France.



## 45th AIAA/ASME/SAE/ASEE Joint Propulsion Conference & Exhibit



## Awards Luncheon

**5 August 2009**  
**Colorado Convention Center**  
**Denver, CO**