

International Energy Conversion  
Engineering Conference  
FINAL PROGRAM



The Heat Transfer Society  
of Japan Advanced Energy  
Conversion Group

The IEEE Aerospace and  
Electronic Systems Society  
(AES)

The Egyptian Society of  
Mechanical Engineers (ESME)

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**Thursday, 29 June 2006, continued**

**1600 68-APS-15 Power Management and Distribution II**

Chaired by: G. CARR, Jet Propulsion Laboratory, Pasadena, CA, and W. CHOY, The Boeing Company, Everett, WA

- 1600 **AIAA-2006-4173**  
**Modular High Power Density Multi-Port Power Converter For Aerospace Applications**  
Z. Daboussi, O. Velez and S. Mondal, AeroVironment Inc., Monrovia, CA
- 1630 **AIAA-2006-4174**  
**Power Actuation and Switching Module (PASM) Test Results**  
G. Carr, Jet Propulsion Laboratory, Pasadena, CA
- 1700 **AIAA-2006-4175**  
**Insulation Design of Printed Circuit Boards Under Electron Irradiation**  
H. Fujii, Nara National College of Technology, Yamato-koriyama, Nara, Japan; T. Hasegawa and H. Osuga, Mitsubishi Electric Corporation, Tokyo, Japan

**1600 69-EC-13 Combustion II**

Chaired by: C. LEE and V. LYONS, NASA Glenn Research Center, Cleveland, OH

- 1600 **AIAA-2006-4176**  
**Thermodynamic Cycle Analysis of Combustion Wave Rotors**  
P. Akbari and R. Nalim, Indiana University-Purdue University at Indianapolis, Indianapolis, IN
- 1630 **AIAA-2006-4177**  
**Hydrogen Generation by Arc Discharge in Moisture**  
Y. Tanaka, Oct Company Ltd., Kobe, Japan; T. Mizuno, Hokkaido University, Sapporo, Japan
- 1700 **AIAA-2006-4179**  
**MEMS-Based Fuel Reformer Integrated with Catalytic Combustor Using CarbonNanoTubes as Catalyst Support**  
D. Park, T. Kim, S. Kwon and C. Kim, Korea Advanced Institute of Science and Technology, Daejeon, South Korea; T. Mizuno, Hokkaido University, Sapporo, Japan