

MONDAY, JUNE 06, 2011**08:00 AM TO 10:00 AM****COMM 14 Heat Transfer: Combustion (with Combustion, Fuels & Emissions)***Vanguard Chair(s): Marc Polanka Air Force Institute of Technology**Co-Chair/Contact(s): Atul Kohli Pratt & Whitney, Raymond E Chupp General Electric Company, Ibrahim Yimer National Research Council Canada***14-1 Heat Transfer and Cooling of Combustion Liners (Session)***Session Chair(s): Marc Polanka Air Force Institute of Technology**Session Co-Chair(s): Joseph Zelina***Session Description:**

Session focuses on experimental investigations of the heat transfer and / or cooling along the combustion chamber liner.

Papers**GT2011-46458** (Technical Publication)Presentation Order: **1**

Experimental Investigation On The Effects Of A Large Recirculating Area On The Performance Of An Effusion Cooled Combustor Liner

Authors: Lorenzo Tarchi University of Florence, Francesco Maiuolo Energy Department "Sergio Stecco" - University of Florence, Bruno Facchini University of Florence, Daniele Coutandin AVIO spa

GT2011-45961 (Technical Publication)Presentation Order: **2**

Thermal Analysis of Cooling System in a Gas Turbine Transition Piece

Authors: Jun Su Park Yonsei University, Nameeon Yun Yonsei University, Hokyu Moon Yonsei University, Kyung Min Kim Yonsei University, Hyung-Hee Cho Yonsei University, Sin Ho Kang Korea Plant Service and Engineering Co.

GT2011-46639 (Technical Publication)Presentation Order: **3**

Can-annular Combustion Chamber Surface Temperature Measurements and Damage Signatures at Operationally Representative Conditions

Authors: Daniel Bouchard Royal Military College of Canada, Greg Pucher Royal Military College of Canada, William Allan Royal Military College of Canada

GT2011-46380 (Technical Publication)Presentation Order: **4**

Implementation of a Multi Zone Radiation Method in a Low NOx Gas Turbine Combustion Chamber Conceptual Simulator

Authors: Marcos N. Arima Aerothermal Solutions for Industry, Francisco D. A. de Sousa Aerothermal Solutions for Industry, Guilherme A. L. da Silva Aerothermal Solutions for Industry, Natashe N. Branco Aerothermal Solutions for Industry, Cleber Spode Vale Soluções em Energia, Elisangela Martins Leal Vale Soluções em Energia, Sergio B. Choze Vale Soluções em Energia

