

Plenary Lectures

- Sumanta Acharya, Louisiana State University, USA
Film Cooling Simulation and Control

- Tony Arts, von Karman Institute for Fluid Dynamics, Belgium
Experimental determination of the aero-thermal performance of high pressure gas turbine blades

- Ron Bunker, GE Global Research Center, USA
Film Cooling: Breaking the Limits of Diffusion Shaped Holes

- Cengiz Camci, The Pennsylvania State University, USA
Experimental Turbine Aero-Heat Transfer Studies in Rotating Research Facilities

- Minking Chyu, University of Pittsburgh, USA
Turbine Airfoil Aerothermal Characteristics in Future Coal-Gas Based Power Generation Systems

- J.C. Han, Texas A&M University, USA
Recent Studies in Turbine Blade Internal Cooling

- Peter Ireland, Rolls-Royce plc., UK
Heat Transfer Testing in Engine Turbine Cooling System Development

- Lee S. Langston, University of Connecticut, USA
Turbine Airfoil Leading Edge Aerodynamics and Heat Transfer – A Review

- Evgueni M. Smirnov, St.-Petersburg State Polytechnic University, Russia
Recent Progress in Numerical Simulation of Highly Three-Dimensional Turbulent Flows and Endwall Heat Transfer in Turbine Blade Cascades

- Bernhard Weigand, Stuttgart University, Germany
Multiple Jet Impingement – A Review