

IGTI John P. Davis Award Presented to Lambda Technologies

Lambda's paper titled, "[Mitigation of Fretting Fatigue Damage in Blade and Disk Pressure Faces with Low Plasticity Burnishing](#)," has won the International Gas Turbine Institute's John P. Davis award for 2007. The results of the extensive peer review process to select the winning paper were announced on March 9th, 2009. The paper, authored by Paul S. Prev y and N. Jayaraman of Lambda Technologies, Ravi A. Ravindranath of NAVAIR and Michael Shepard of the AFRL, describes Lambda's development of LPB processing to mitigate fretting damage on blade-disk dovetail joints, eliminating fretting initiated fatigue failures in Ti alloy compressor sections.

This is the second time Lambda's work on surface enhancement has been recognized by the gas turbine industry with the prestigious IGTI John P. Davis award. The first was for their 2003 paper on the benefits of LPB surface enhancement for FOD mitigation in gas turbine engines entitled, "[Case Studies of Fatigue Life Improvement Using Low Plasticity Burnishing in Gas Turbine Engine Applications](#)."

The John P. Davis award is presented by the industry supported IGTI section of the ASME for major contributions to gas turbine engineering. The award recognizes one gas turbine application paper each year that is "judged to be of exceptional value to those supplying or using gas turbines and their support systems". The award will be presented during the Recognition Luncheon at the ASME Turbo Expo in Orlando, Florida on June 8th, 2009 from 12-3pm. The ASME Turbo Expo will continue through June 12th, 2009.

Information on Lambda-developed technologies can be found on our website at www.lambdatechs.com. We look forward to an opportunity to discuss how our outstanding laboratory services and surface enhancement solutions can benefit you.