

## Call for Papers

# CREEP8

## The 8th International Conference on Creep and Fatigue at Elevated Temperatures

**Date: July 22-26, 2007**

**Location: Hyatt Regency San Antonio, San Antonio, TX USA**

**Host: 2007 ASME Pressure Vessels and Piping Conference (PVP 2007)**

CREEP8 is being organized by the Pressure Vessels and Piping (PVP) Division of the American Society of Mechanical Engineers (ASME) in conjunction with the Institution of Mechanical Engineers (IMechE) and the Japan Society of Mechanical Engineers (JSME), with the cooperation of the Materials Properties Council (MPC), the Pressure Vessel Research Council (PVRC), and the Electric Power Research Institute (EPRI). The CREEP8 Conference will be held jointly with the PVP 2007 Conference.

This major international conference has been held every four to six years since 1963 to update engineers and scientists on developments in high-temperature equipment operation and material behavior. It brings together designers and operators of high-temperature equipment and engineers and scientists engaged in the evaluation and development of materials. CREEP8 will be the 8th conference in this series. It will deal with understanding and predicting time-dependent material behavior for applications in energy, environmental protection, transportation, aerospace, electronic, and power industries.

This CALL FOR PAPERS provides guidance for submitting abstracts for proposed technical papers for the CREEP8 Conference based on the general topics listed below. All accepted papers will be published via CD-ROM/DVD, which will be available at the Conference. A printed conference proceedings volume may be ordered at the Conference.

### GENERAL TOPICS:

- Life Assessment of Components
- Materials Performance in Nuclear Applications
- Behavior of Intermetallics, Composites, and Ceramics
- Materials for Waste Incineration
- Fatigue and Creep-Fatigue Interaction
- Flaw Assessment at Elevated Temperature
- Advanced Heat-Resistant Alloys
- Microstructural Changes and Damage Mechanisms
- Nondestructive Inspection for Creep Damage
- Computational Modeling of Creep Damage and Fracture
- Inelastic Modeling and Analysis
- Parametric Analysis, Statistics and Property Prediction
- Weldment Behavior, Testing and Modeling
- Risk Assessment and Design Margins
- Repair Methods and Performance
- Effects of Composition and Fabrication Methods
- Case Histories in Failure Analysis
- Continuum Damage Mechanics
- Effects of Environment

### SCHEDULE:

- Abstracts are due by **December 4, 2006**
- Draft papers are due by **February 19, 2007**
- Final reviewed papers in ASME format for publication and the associated ASME 1903 Copyright Transfer Forms must be received by **April 16, 2007**
- Authors to be notified of abstract acceptance by **January 8, 2007**
- Paper peer review comments to be returned by **March 26, 2007**

**ABSTRACT AND PAPER SUBMITTAL: AUTHORS** should submit a 200-word abstract with the contact author's complete affiliation and paper topic to the Creep and Fatigue at Elevated Temperature (CREEP8) Track on the PVP 2007 Conference website at <http://www.asmeconferences.org/pvp07/>. The draft paper, peer reviews, and final paper are also to be submitted to the website in accordance with the schedule. The papers are to be in Adobe Acrobat (PDF) format. Guidelines for paper preparation and submittal will be available on the *Author Resources* page of the website.

**CONFERENCE INFORMATION:** Conference, publication, and PVP Division information will be at the following ASME websites: <http://www.asmeconferences.org/pvp07/> and <http://divisions.asme.org/pvp/>.

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## TO SUBMIT THE ABSTRACT

First select **Login** from the top menu bar on the conference web page (<http://www.asmeconferences.org/pvp07/>), and on this page [create an account](#). Even if you have registered for previous ASME conferences, you will need to set up a new account for PVP 2007/CREEP8. You will receive an email with your password; your user name is your email address.

- Then **Login** to the website as **Author**.
- Select **Author Center** from the top menu bar; then scroll down and select **Submit Abstract**.
- Select the track **Creep and Fatigue at Elevated Temperatures: CREEP8**.
- Select the **Topic/Symposium** which best matches the topic of your abstract.
- Select the paper type **Technical Publication**.

Now, submit your paper title, copy or type your abstract (maximum of 400 words) in the box provided, and select your **Geographic ID**. Read the **Statement** and select **I agree**. If there are multiple authors, then select **Proceed to Step 3 to add Co-Authors** and generate a log-in account for each co-author. Finally, select **Finish** to complete the abstract submission. You will receive a confirmation email from toolboxhelp@asme.org.

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