

15th International Conference on

# ENVIRONMENTAL DEGRADATION

of Materials in Nuclear Power Systems-Water Reactors



August 7-11, 2011  
Cheyenne Mountain Resort  
Colorado Springs, Colorado

**PROGRAM PREVIEW**

**Save \$75  
with Advance Registration  
through July 11!**

Sponsored by:

**TMS**

The Minerals, Metals & Materials Society



**NACE**  
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Co-Sponsored by:

The Japan Institute of Metals

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Engineering



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## ADVANCE REGISTRATION

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## SCOPE OF THE CONFERENCE

Environmentally induced materials problems cause a significant portion of nuclear power plant outage time and fuel immense economic and safety concerns regarding both the operation of aging light water reactors and the next-generation systems currently being designed. The purpose of this conference is to foster the exchange of ideas to address these problems and explore remedies for nuclear power plants that use water coolant.

The conference will continue to focus on the degradation of nickel base alloys, stainless steels, pressure vessel & piping steels, zircalloys, and other alloys in water environments relevant to reactor vessels and internals, steam generators, fuel cladding, irradiated components, fuel storage containers, and balance of plant components & systems.

## WHO ATTENDS

The conference will be of interest to utility engineers, reactor vendor engineers, plant architect engineers, and consultants involved in design, construction, and operation of water reactors, as well as to researchers concerned with the fundamental nature of materials degradation in reactor systems, and regulators around the world.

Scientists and engineers concerned with environmental degradation processes (corrosion, mechanical, and radiation effects) will exchange views and present their latest results through a combination of invited and contributed presentations.

This meeting promises to be a highly beneficial forum with new insights into materials, methods, and techniques.

## REGISTRATION INFORMATION

**Register by Monday, July 11 and save \$75!**

All attendees – including authors, presenters, and session chairs – must register for the conference.

### Your Registration Package Includes:

- Technical sessions
- Refreshment breaks
- Single copy of conference proceedings
- All networking and social events
- Proceedings

### Registration Fees

	Fees through 7/11/2011	Fees after 7/11/2011
Member*	\$650	\$725
Nonmember	\$750	\$825
Student**	\$250	\$325

\*The reduced member fee is available to all current members of TMS, NACE International or the American Nuclear Society (ANS).

\*\*Nonmember students must attach a copy of their current school identification card. Please fax this information along with your registration form to 724-776-3770 or email it to [Castello@tms.org](mailto:Castello@tms.org).

To receive the discounted registration fee, please complete the Advance Registration form online on the Environmental Degradation 2011 meeting website at: [www.tms.org/meetings/specialty/ed2011](http://www.tms.org/meetings/specialty/ed2011).

The conference proceedings will be published as a CD-ROM after the meeting. One copy of the proceedings will be shipped to each paid registrant when the CD is available. Additional copies of the proceedings can be purchased via the registration form at a cost of \$54 each, including shipping and handling.

## NETWORKING and SOCIAL EVENTS

- **Sunday, August 7:** Welcoming reception  
*Cheyenne Mountain Resort*
- **Wednesday, August 10:** Conference Banquet  
*Cheyenne Mountain Zoo (off-site)*

## PLENARY SESSION

**Monday, August 8:** Plenary Session

Speakers:

- Jack Bailey, *TVA, USA*
- Pete Lyons, *Department of Energy, Nuclear Energy, USA*
- C. E. (Gene) Carpenter, *U.S. Nuclear Regulatory Commission, USA*
- Peter Ekström, *Swedish Radiation Safety Authority, Sweden*



## HOUSING INFORMATION

Visit the housing page and complete the on-line Room Reservation Form at:

[www.tms.org/meetings/specialty/ed2011](http://www.tms.org/meetings/specialty/ed2011)

Attendees should make their housing reservations as early as possible. Reservations must be made and guaranteed by **July 11, 2011**. The conference rate of \$149 per night cannot be guaranteed after that date.

### Optional Shuttle Service:

Airport shuttle service will be available via the Cheyenne Mountain Resort reservation form. Make the arrangements with your room reservation and the transportation charges can be billed to your room account.

You may also download and print both the Advance Registration and Housing forms and mail or fax with full payment by Monday, July 11, 2011 to:

**TMS Meeting Services**  
**184 Thorn Hill Road**  
**Warrendale, PA 15086, USA**  
**FAX: 724-776-3770**

## SPONSORSHIP OPPORTUNITIES

The 15th International Conference on Environmental Degradation of Materials in Nuclear Power Systems – Water Reactors will attract the interest of utility engineers and consultants involved in the design, construction and operation of water reactors, as well as researchers concerned with the fundamental nature of materials degradation in reactor systems and regulators around the world. This is an opportunity to participate as a corporate sponsor of this highly specialized program.

The conference organizers have identified a number of high-profile sponsorship opportunities for companies that support nuclear power research. The following events and amenities are currently available for sponsorship:

- Conference Banquet
- Conference Banquet Reception
- Welcoming Reception
- Registration Bags
- Registrant Badge Lanyards
- General Conference Sponsorship

Sponsor recognition includes at-meeting signage and acknowledgement in the conference program. Sponsorships of more than \$2,500 include one complimentary full-conference registration.

For more information on sponsor opportunities, contact [exhibits@tms.org](mailto:exhibits@tms.org).



## ABOUT THE VENUE

Cheyenne Mountain Resort is surrounded by extraordinary mountain backdrops and picturesque views. Each room has been designed to provide the ultimate escape. The resort features a wide range of year-round activities, including swimming, golf, tennis, basketball and a full service, state-of-the-art fitness center. Jogging, hiking, and biking paths are also available.

The Conference Center offers an engaging environment where productive meetings, imaginative events, and authentic service converge with natural elements. Designed with meetings in mind, Cheyenne Mountain Conference Center features more than 40,000 square feet of meeting space.

## GENERAL INFORMATION

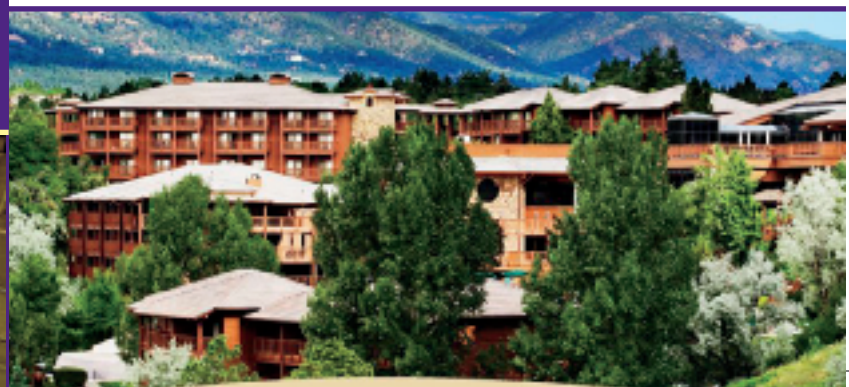


### Americans With Disabilities Act

TMS strongly supports the federal Americans with Disabilities Act (ADA), which prohibits discrimination against, and promotes public accessibility for those with disabilities. In support of and compliance with this Act, we ask that those requiring specific equipment or services contact the TMS Meeting Services department and advise of any specific requirements in advance.

### Audio/Video Recording Policy

TMS reserves the right to any audio and video reproduction of all presentations at every TMS-sponsored meeting. Recording of sessions (audio, video, still-photography, etc.) intended for personal use, distribution, publication, or copyright without the express written consent of TMS and the individual authors is strictly prohibited. Contact the TMS Technical Programming Department to obtain a copy of the waiver release form.



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*“Join our quest to solve today’s  
questions and prepare for  
tomorrow’s challenges!”*

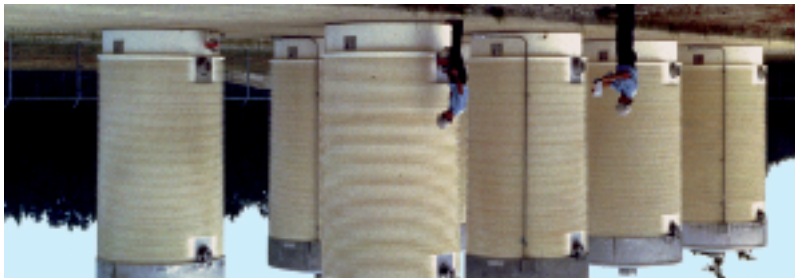
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# TMS



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