



INTERNATIONAL NUCLEAR REACTOR MATERIALS RELIABILITY CONFERENCE AND EXHIBITION & MATERIALS RELIABILITY PROGRAM TECHNICAL ADVISORY COMMITTEE MEETINGS

November 2–6, 2020 • InterContinental New Orleans • New Orleans, Louisiana

BACKGROUND AND OBJECTIVES

The objective of the conference is to gather the leading domestic and international nuclear engineers, materials scientists, vendors and consultants in a forum for exploring, discussing and reporting the latest research, plant experiences, analyses, planning and solutions for increased materials reliability in nuclear power plant components for current and extended periods of operation. The Materials Reliability Program (MRP) Technical Advisory Committee (TAC) Meetings will serve the purpose of allowing committees, namely Internals and Integrity, Inspection, and Pressure Boundary to convene and discuss materials reliability topics.

The conference will provide a venue for discussion and increased understanding of the latest EPRI research, as well as the latest academic, government and industry research and experience on materials issues that are relevant to the continued safety, reliability and competitiveness of nuclear power plants both domestically and internationally. Utilities, vendors, consultants, researchers, NRC and INPO are invited to participate in this event. The focus of the MRP TAC Meetings will be to provide status updates of MRP 2020 projects, report out on recent Operating Experience (OE) that has occurred across the worldwide PWR fleet and to discuss new project ideas for 2021-2022 Strategic Planning.

WHO SHOULD ATTEND

Engineers, materials scientists and vendors are expected to gather in a forum for exploring, discussing and reporting the latest research, plant experiences, analyses, planning and solutions for increased materials reliability in nuclear power plant components. Utilities, vendors, consultants, NRC, and INPO are invited to participate in this event.

PRESENTATIONS AND DEADLINES

To participate as a presenter during the conference portion of this meeting, please email abstracts to msaucier@epri.com (approximately 250 words).

Abstract	November 15, 2019
Biography	November 15, 2019
Date of acceptance Letter	March 13, 2020
Copyright Agreement	September 18, 2020
Power Point Presentation	October 2, 2020

ACCOMMODATIONS

InterContinental New Orleans

444 St. Charles Avenue, New Orleans, Louisiana 70130, USA

Reservations can be made directly through the conference registration site in CVENT

General Hotel Information: 1.504.525.5566

Group Room Rate: \$185 per night plus taxes and fees

Cut-off Date: **October 12, 2020**

PROFESSIONAL DEVELOPMENT HOURS

Professional Development Hours (PDHs) will be offered for all sessions. To receive credit, you will be requested to sign an attendance form on a daily basis during the sessions. Credit hours can only be awarded for the days you sign the form. A certificate will be emailed to you after the conference.

TENTATIVE AGENDA AT A GLANCE

MONDAY, NOVEMBER 2

7:00–8:00 AM	Breakfast
8:00 AM–5:00 PM	EPRI MRP TAC/OE Session
12:00 Noon–1:00 PM	Lunch

Breakfast, Lunch and AM/PM Breaks in the Exhibit Hall

TUESDAY, NOVEMBER 3

7:00–8:00 AM	Breakfast
8:00–10:00 AM	Materials Reliability Conference: Plenary and General Session
10:30 AM–5:00 PM	Materials Reliability Conference: Technical Sessions
12:00 Noon–1:00 PM	Lunch
6:00–7:30 PM	Reception

Breakfast, Lunch, AM/PM Breaks and the Reception in the Exhibit Hall

WEDNESDAY, NOVEMBER 4

7:00–8:00 AM	Breakfast
8:00 AM–5:00 PM	Materials Reliability Conference: Technical Sessions
12:00 Noon–1:00 PM	Lunch

Breakfast, Lunch, AM/PM Breaks in the Exhibit Hall

THURSDAY, NOVEMBER 5

7:00–8:00 AM	Breakfast
8:00 AM–12:00 Noon	Materials Reliability Conference: Technical Sessions
12:00 Noon–1:00 PM	Lunch
1:00–5:00 PM	EPRI MRP TAC/OE Session
4:00–6:00 PM	Exhibits Tear Down

Breakfast, Lunch, AM/PM Breaks in the Exhibit Hall

FRIDAY, NOVEMBER 6

7:00–8:00 AM	Breakfast
8:00–12:00 Noon	EPRI MRP TAC/OE Session
12:00 Noon–1:00 PM	Lunch
1:00–5:00 PM	Open/Tentative/TBD

Breakfast, Lunch, AM/PM Breaks in the Exhibit Hall

SUGGESTED TOPICS FOR PRESENTATIONS

- Aging Management
- PWR Internals
- Alloy 690 Replacement Materials
- Stainless Steel Testing and Modeling
- Aging Management
- PWR Internals
- Alloy 690 Replacement Materials
- Stainless Steel Testing and Modeling
- Probability of Rupture
- Flaw Analysis
- PWSCC of Alloy 600
- Chemistry, Mitigation and BAC
- Repair and Replacement of Alloy 600 Components
- PWR and BWR Operating Experience
- PWR and BWR Internals Repair and Replacement
- PWR Steam Generator Issues
- Water Chemistry Guidelines
- BWR Jet Pump Degradation
- Probabilistic Fracture Mechanics (PFM) work
- Welding and Surface Mitigation Techniques
- Intergranular Stress Corrosion Cracking (IGSCC)
- BWR Steam Dryer Issues
- BWR Internals Inspection Optimization
- Major Internals Component Replacement
- License Renewal and Extended Operation
- SCC of High-Strength Alloys (e.g., X-750, Alloy 718)
- Fatigue
- NDE Techniques
- Reactor Vessel Embrittlement
- Irradiated Materials Research
- Irradiated Assisted Stress Corrosion Cracking (IASCC)
- Thermal and Irradiation Embrittlement of Cast Austenitic Stainless Steel (CASS)
- Inspection and Repair Automated Tooling
- R&D and OE from
 - CANDU Reactors
 - VVER Reactors
 - Advanced Reactor Designs

EXHIBIT AND SPONSORSHIP OPPORTUNITIES

Exhibit and sponsorship opportunities will be available during the conference starting with breakfast on Tuesday, through a reception Tuesday evening and continuing through the end of the day on Wednesday. All meal functions and breaks will be held in the Exhibit Hall.

For further information, please contact Hannah Thomson at 1.704.595.2431 or hthomson@epri.com to obtain an exhibitor package; see also EPRI Product 3002016892

For more information and to register for this event, please go to www.epri.com and select the Main Calendar under the Events tab on the top of the menu bar. Select the month of November 2020 and locate this event by the date, then click on the link, and follow the simple early registration instructions.

EPRI TECHNICAL CONTACTS

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