NOTICIAS DESTACADAS

- ***Tercer Congreso Iberoamericano de Ingeniería y Tecnología, CIBITEC 21: "La digitalización en la industria"***
  Organizado conjuntamente por la Asociación y el Colegio de Ingenieros Industriales de Madrid (AIIM), en colaboración con la Universidad Politécnica de Madrid y el Tecnológico de Monterrey, México, tendrá lugar, del 10 al 13 de mayo. LEER MÁS [+]

- ***Publicado por la NEA el documento Small Modular Reactor: Challenges and Opportunities.*** Continuando con las actividades ligadas al seguimiento de la tecnología asociada a los SMR, La NEA acaba de publicar este nuevo documento que junto con el ya publicado en 2016 *Small Modular Reactors: Nuclear Energy Market Potential for Near-term Deployment* permiten tener una visión detallada sobre la materia. LEER MÁS [+]

- ***Próximo seminario sobre incertidumbre y métodos de mejor estimación.*** Dicho seminario cuenta con la participación de los mejores expertos en la materia y recorre el estado del arte sobre el uso de metodologías BEPU (Best Estimate Plus Uncertainty). LEER MÁS [+]

AGENDA

- ***27 mayo:*** workshop ETSII machine learning LEER MÁS [+]
- ***29 agosto – 3 septiembre 21:*** 19th International Topic Meeting on Nuclear Reactor Thermal Hydraulics (NURETH-19) LEER MÁS [+]
- ***24-28 octubre 2021:*** Celebración de *"Top-Fuel 2021"* LEER MÁS [+]
- ***25-26 octubre 2021:*** Celebración del "*Global Forum for Nuclear Innovators*" LEER MÁS [+]

RITA BARANWAL

EPRI Vice President of Nuclear Energy and Chief Nuclear Officer

"When I first started working in this industry, it was to use my materials engineering background to develop new fuels for nuclear reactors. Shortly afterwards, I began to appreciate the energy density in that small amount of fuel that is responsible for reliably powering hundreds of reactors around the world. And when I realized that nuclear power is clean power, I quickly knew that this was where I wanted to dedicate my career. That was over 20 years ago.

Nuclear energy has always been clean, and it will play a vital role in our low-carbon future. The Electric Power Research Institute (EPRI) provides industry expertise and collaborative value to help the energy sector identify issues, technology gaps, and broader needs that can be addressed through effective research and development (R&D) programs for the benefit of society. There are several benefits to be gained from our collaborative R&D, including technologies that can help nuclear plants continue to improve reliability and operating costs, as well as sharing operating experiences and lessons learned.

Recently, ERPI's research on nuclear plant aging has been the topic of discussion on plant life extension. Extending the life of nuclear power plants (NPPs) is one of the most economical routes to decarbonization, and should be an option that communities with existing nuclear consider as they focus on future energy portfolios.

There are many exciting nuclear technology areas we are exploring at EPRI, but I'll touch on just two for now. In regards to extending the existing fleet, we recently released our Plant Modernization Toolbox https://www.epri.com/nuclearplantmod which facilitates decision making and execution of the modernization process. We're also researching the transition of baseload NNPs to flexible operations

https://www.epri.com/research/programs/106194/results/3002002612

And I would like to discuss our work in advanced reactors. But that will have to wait until next time!