GEN IV International Forum
Expertise | Collaboration | Excellence

Webinar Invite

Education and Training Working Group

Join us on February 24, 2022, 8:30 am EST (UTC-5)

Artificial Intelligence in Support of NE Sector

This lecture will start with brief introduction to Artificial Intelligence and will fast forward to application of AI in design, construction and operation of nuclear power plants in future. Technical focus will be on several practical examples including use of machine learning and deep learning neural networks for weld inspections, sonar detection, material testing and Natural Language Processing (NLP) for conducting semantic search of documents. Aim is to show how engineers can de-risk and accelerate engineering projects with help of AI.

Free webcast!

February 24, 2022 6:30 am EST (UTC-5)

Register NOW at:
https://attendee.gotowebinar.com/register/5228269468302788880

Who should attend:
policymakers, managers, regulators, students, general public

Professor Nawal Prinja has 40 years of academic and industrial experience in the nuclear sector. He is the Technology Director of Jacobs (Clean Energy) and holds a position of Honorary Professor at four British universities. Currently he is chair of WNA/CORDEL working on harmonization of Nuclear Codes. He has been on IAEA missions to China, South Africa, UAE, Spain and Poland. He was appointed as an advisor to the UK Government to help formulate their long-term R&D strategy for nuclear industry and continues to advise as a member of the Fusion Advisory Board of UKRI and chairs Artificial Intelligence Technology Focus Group for Nuclear Propulsion for Ministry of Defence. He participates in a number of international committees notably the ASME code committee for developing new Plant Systems Design code and represents the UK at the Senior Industry Advisory Panel of the Generation IV International Forum.

Upcoming Webinars

23 March 2022
Scale Effects Analysis on the Thermal Hydraulic Behavior of Impinging Jets in Sodium Fast Reactors, Benjamin Jourdy, CEA, France

19 April 2022
Role of Nuclear Energy in Reducing CO2 Emissions

11 May 2022
Development of Nanosized Carbide Dispersed Advanced Radiation Resistant Austenitic Stainless Steel (ARES) for Generation IV Systems, Mr. JiHo Shin, KAIST, Republic of Korea

For more information, please contact Patricia Paviet at patricia.paviet@pnnl.gov or visit the GIF website at www.gen-4.org

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