

NUCLEAR PLANT SAFETY COURSE

Live (Synchronous), Virtual @MIT

Course Synopsis:

Covers safety and regulatory issues of operating and planned nuclear reactors in the U.S. and other countries.

Our Speakers are the current authorities on nuclear power plant technology, operations, safety, and regulations from industry, government, and universities. They will provide authoritative answers in their technical fields, though their opinions are their own.

REGISTER NOW



Topics:

- Operating/new reactor safety and licensing
- Risk-informed operations
- Spent fuel storage management
- Cybersecurity
- Life extension of operating reactors to 80 years
- International perspectives on reactor safety
- High performance fuel
- PWR and BWR materials issues
- Seismic safety

Learning Objectives:

- Describe safety and regulatory issues of operating nuclear reactors in the U.S. and other countries.
- Assess new safety developments, such as risk-informed operations, life extension, and advanced fuels.
- Examine advanced reactors and their design & safety.
- Understand fuel storage issues and licensing of spent fuel repositories.

Who Should Attend:

Degree-holding engineers/scientists with some knowledge of nuclear technology, interested in the design, construction, operation, or regulation of nuclear plants.

2022 NPSC SPEAKERS

NATIONAL LABORATORIES

Dr. Robert BUDNITZ, Staff Scientist (retired), Energy Geosciences Division, Lawrence Berkeley National Lab., University of California

VENDORS

Dr. Christer DAHLGREN, Manager, Light Water Reactor Plant Integration Engineering, GE-Hitachi

Mr. Zeses KAROUTAS, Chief Engineer Nuclear Fuel, Global Tech. Office, Westinghouse Electric Co.

Dr. Luca ORIANI, VP Plant Engineering & Licensing, Westinghouse Electric Co.

Dr. Jose REYES, CTO NuScale Power

CONSULTANTS

Dr. Dennis C. BLEY, President, Buttonwood Consulting, Inc.

Dr. Andrew KADAK, Kadak Associates Inc., Former CEO of Yankee Atomic

Dr. Joy REMPE, Principal, Rempe & Assoc. LLC

ACADEMIA

Dr. George APOSTOLAKIS, MIT Professor Emeritus and Head, Nuclear Risk Research Center, Japan

Prof. Ronald G. BALLINGER, Nuclear Science and Engineering and Material Science and Engineering (Emeritus), MIT

Dr. Sacit CETINER, Research Scientist, MIT Nuclear Reactor Laboratory

Dr. Charles FORSBERG, Principal Research Scientist, Exec. Director, MIT Nuclear Fuel Cycle Project, Director and PI, Fluoride Salt-Cooled High-Temperature Reactor Project, MIT

NUCLEAR ENERGY AGENCY (NEA)

William D. MAGWOOD, IV, Director General of the OECD Nuclear Energy Agency, NEA

NUCLEAR ENERGY INSTITUTE (NEI)

Mr. Douglas TRUE, Senior VP and Chief Nuclear Officer, NEI

Dr. Jennifer UHLE, VP Generation & Supply, NEI

REGULATORY

Dr. Richard MESERVE, Former Chair (retired), Nuclear Regulatory Commission (US NRC)

Dr. Mirela GAVRILAS, Director, Nuclear Safety Systems, (US NRR)

Mr. William RECKLEY, Sr. Project Manager, Advanced Reactor Program (US NRC)

Dr. Douglass MILLER, Sr. Project Officer, Canadian Nuclear Safety Commission (CNSC)

Ms. Andrea VEIL, Director, Office of Nuclear Reactor Regulation (US NRC)

UTILITIES

Mohamed Al HAMMADI, Managing Director and CEO, Emirates Nuclear Energy Corporation (ENEC)

Mr. Tatsuro KOBAYASHI, Tokyo Electric Power Co. Holding

Ms. Suzanne LOYD, Constellation Energy

Mr. Tom MITCHELL, Chairman, World Association of Nuclear Operations (WANO)

COURSE DIRECTORS



Emilio BAGLIETTO
Associate Professor of
Nuclear Science and Engineering



Benoit FORGET
Associate Head of
Nuclear Science and Engineering



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