

# NUCLEAR PLANT SAFETY COURSE

JUNE 10-18, 2025 | Live Virtual @ MIT

Directors: Emilio BAGLIETTO, Benoit FORGET



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DAY 1: Tuesday, June 10 PERSPECTIVES ON SAFETY	
8:30-9:00 AM	Welcome/ Setup & Course Overview <b>Prof. Emilio BAGLIETTO, Prof. Benoit FORGET</b>
9:00-10:00 AM	An International Perspectives on Nuclear Safety   <b>Dr. Richard MESERVE, Chairman of the International Nuclear Safety Group</b>
10:00-11:00 AM	Current Regulatory Issues   <b>Mr. Gregory Bowman, US NRC</b>
11:00AM-12:00 PM	Regulation-Canadian View   <b>Dr. Douglass MILLER, CNSC</b>
DAY 2: Wednesday, June 11 REACTOR TECHNOLOGY AND OPERATIONS	
8:30-9:30 AM	Safety of Worldwide Nuclear Operations   <b>Mr. Tom MITCHELL, Former Chair, WANO</b>
9:30-10:30 AM	Industry Perspective of Safety   <b>Dr. Jenniger UHLE, UHLE</b>
10:30-11:30 AM	AP1000 - AP300   <b>Dr. Luca ORIANI and Julie GORGEMANS, Westinghouse</b>
11:30AM-12:30 PM	Risk Assessment & Applications   <b>Dr. George APOSTOLAKIS, NRRC Japan</b>
DAY 3: Thursday, June 12 REACTOR TECHNOLOGY AND OPERATIONS	
8:30-9:30 AM	International Nuclear Safety Perspective - NEA Viewpoint   <b>Ms. Véronique ROUYER, Head of the Nuclear Safety, Technology and Regulation Division, NEA</b>
9:30-10:30 AM	Advanced Reactors: Industry + Government Perspectives   <b>Mr. Marc NICHOL, NEI</b>
10:30-11:30 AM	Human Performance: Operating Events & Human Reliability Analysis   <b>Dr. Dennis BLEY, Buttonwood Consulting, INC.</b>
DAY 4: Friday, June 13 NEW BUILDS	
8:30-9:30 AM	Lessons Learned from Three Severe Accidents   <b>Dr. Joy REMPE, Rempe and Associates, LLC.</b>
9:30-10:30 AM	Licensing Processes   <b>Mr. Anders GILBERTSON, US NRC</b>
10:30-11:30 AM	Decommissioning   <b>Dr. Andrew KADAK, KADAK Associates, INC.</b>
11:30AM-12:30PM	BWRX300 Design and Licensing   <b>Dr. Christer DAHLGREN, GE-Hitachi</b>
DAY 5: Monday, June 16 REACTOR OPERATION	
8:30-9:30 AM	NuScale SMR Plant Design and Safety   <b>Dr. Jose REYES and Dr. Kent WELTER, NUSCALE</b>
9:30-10:30 AM	Digital Instrumentation and Controls: Current Status and Prospects   <b>Dr. Sacit CETINER, INL/MIT</b>
10:30-11:30 AM	Seismic Safety   <b>Dr. Robert BUDNITZ, LBNL (retired)</b>
DAY 6: Tuesday, June 17 REACTOR OPERATION	
8:30-9:30 AM	Operational Safety   <b>Ms. Suzanne LOYD, Constellation Energy</b>
9:30-10:30 AM	Safety of Spent Fuel   <b>Dr. Charles FORSBERG, MIT</b>
10:30-11:30 AM	LWR Materials I   <b>Prof. Ronald BALLINGER, MIT</b>
DAY 7: Wednesday, June 18 MATERIAL AND FUEL SAFETY	
8:30-9:30 AM	Physical and Cyber Security at the NRC   <b>Mr. Craig ERLANGER, US NRC-NSIR</b>
9:30-10:30 AM	Fuel Safety Issues   <b>Mr. Zeses KAROUTAS, Westinghouse</b>
10:30-11:30 AM	LWR Materials II   <b>Prof. Ronald BALLINGER, MIT</b>
11:30AM- 12:00PM	CLOSING



**Nuclear Science and Engineering Department (NSE)**  
**Center for Advanced Nuclear Energy Systems (CANES)**  
**Professional Education-Short Programs (PE)**

All times are US Eastern Daylight.  
Five-minute stretch breaks throughout the daily schedule.  
Sessions are scheduled daily from 8:30AM to 12:00/12:30PM.