

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