



Week 1:		Professors: Emilio BAGLIETTO, Benoit FORGET
DAY 1:	PERSPECTIVES ON SAFETY	
8:30-9:00 AM	Welcome / setup & Course Overview	Prof. Emilio BAGLIETTO, MIT
9:00-10:00 AM	An International Perspective on Nuclear Safety	Dr. Richard MESERVE, Chairman of the International Nuclear Safety Group (INSAG)
10:00-11:00 AM	Current Regulatory Issues	Ms. Andrea Veil, US NRC
11:00 AM-12:00 PM	International Nuclear Safety Perspective – NEA Viewpoint	William D. MAGWOOD IV Director-General NEA
12:00-12:30 PM	PANEL DISCUSSION & Q/A	
12:30 PM	Closing	
DAY 2:	REACTOR TECHNOLOGY AND OPERATION	
9:00-10:00 AM	Safety of Worldwide Nuclear Operations	Mr. Tom MITCHELL WANO – Chairman
10:00-11:00 AM	Industry Perspective on Safety	Mr. Douglas TRUE, NEI
11:00 AM-12:00 PM	Risk Assessment & Applications	Dr. George APOSTOLAKIS, NRR-C-JAPAN
12:00 – 1:00 PM	Nuclear Energy Program - New Country	Mohamed AL HAMMADI, Managing Director and CEO, ENEC
1:00-1:30 PM	PANEL DISCUSSION & Q/A	
1:30 PM	Closing	
DAY 3:	REACTOR TECHNOLOGY AND OPERATION	
9:00-10:00 AM	PWR Active and Passive Systems	Dr. Luca ORIANI, Westinghouse
10:00-11:00 AM	LWR Materials I	Prof. Ronald BALLINGER , MIT
11:00 AM-12:00 PM	Multi-Unit Sites	Dr. George APOSTOLAKIS, NRR-C-JAPAN
12:00-12:30 PM	PANEL DISCUSSION & Q/A	
12:30 PM	Closing	
1:00 PM	Virtual Tour	
DAY 4:	NEW BUILDS	
9:00-10:00 AM	Physical and Cyber Security	Dr. Mirela GAVRILAS, US NRC
10:00-11:00 AM	New Reactors-Industry + Government Perspectives	Dr. Jennifer UHLE, NEI
11:00 AM-12:00 PM	Licensing Processes	Mr. William RECKLEY, US NRC
12:00-12:30 PM	PANEL DISCUSSION & Q/A	

* Includes 10-minute Flex Breaks
 **Schedule subject to change
 ***All times listed are Eastern (Boston, MA) Times



NUCLEAR PLANT SAFETY COURSE

Week 2:		Professors: Emilio BAGLIETTO, Benoit FORGET
DAY 5:	NEW BUILDS	
8:30-9:00 AM	Overview	Prof. Benoit FORGET, MIT
9:00-10:00 AM	Regulation-Canadian View	Dr. Douglass MILLER, CNSC
10:00-11:00 AM	BWRX300 Design and Licensing	Dr. Christer Dahlgren, GE-Hitachi
11:00AM-12:00 PM	NuScale Design and Licensing	Dr. Jose REYES, NUSCALE CTO
12:00-12:30 PM	PANEL DISCUSSION & Q/A	
12:30 PM	Closing	
DAY 6:	REACTOR OPERATION	
9:00-10:00 AM	Digital Instrumentation and Controls: Current Status and Prospects	Dr. Sacit CETINER, INL/ MIT
10:00-11:00 AM	Human Reliability Analysis	Dr. Dennis BLEY Buttonwood Consulting, Inc.
11:00 AM-12:00 PM	Lessons Learned from Three Severe Accidents	Dr. Joy REMPE, Rempe and Associates, LLC
12:00-12:30 PM	PANEL DISCUSSION & Q/A	
12:30 PM	Closing	
1:00 PM	Virtual Tour	
DAY 7:	REACTOR SAFETY / OPERATION	
9:00-10:00 AM	TBA	Mr. Tatsuro KOBAYASHI, TEPCO
10:00-11:00 AM	Operational Safety	Ms. Suzanne LOYD, Constellation Energy
11:00 AM-12:00 PM	Safety of Spent Fuel	Dr. Charles FORSBERG, MIT
12:00 – 1:00 PM	Seismic Safety	Dr. Robert BUDNITZ, LBNL (retired)
1:00-1:30 PM	PANEL DISCUSSION & Q/A	
1:30 PM	Closing	
DAY 8:	MATERIALS AND FUEL SAFETY	
9:00-10:00 AM	Decommissioning	Dr. Andrew KADAK, Kadak Associates, Inc.
10:00-11:00 AM	Fuel Safety Issues	Mr. Zeses KAROUTAS, Westinghouse
11:00 AM-12:00 PM	LWR Materials II	Prof. Ronald BALLINGER, MIT
12:00-12:30 PM	PANEL DISCUSSION & Q/A	
12:30p	Closing	



Sponsored by:

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