



POWER
Power Conference



NUCLEAR
ASME's Nuclear
Engineering Conference
powered by ICONE

CONFERENCE
Aug 4–5, 2020

Online, Virtual

Monday, August 3, 2020

On Demand

Welcome from Chairs

Siemens Simulator

Workshops

Thermalhydraulic Methods, Experimentation and Benchmarking Workshop

Computational Fluid Dynamics Workshop

Nuclear Codes and Standards Workshop

Tutorials

Recognizing Pipe Support Problems Tutorial

Generator Tutorial on Operational Impacts

Care and Feeding of Fluid Film Bearings Tutorial

Panel

Post Fukushima-Daiichi Nuclear Safety and Plant Decommissioning Panel

POWER2020 Student and Early Career Panel



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Tuesday, August 4, 2020

10:00AM to 10:15AM	<p>General Session Room - Welcome Message Opening: Tom Costabile, ASME CEO Conference Chairs: Shripad Revankar and Steve Greco</p>		
10:15AM to 11:00AM	<p>General Session Room - Keynote Nuclear Energy: A Legacy of Accomplishment and A Vision for a Better Future Bill Magwood, Director-General, Nuclear Energy Agency Live Q&A</p>		
11:00AM to 11:15AM	Networking Break		Technical Sessions
11:15AM to 12:15PM	<p>Breakout Room #1 ACE Rule Panel Live Q&A</p> <p>Moderators: Brian Wodka Tina Toburen</p> <p>Panelists: Tony Licata, <i>Licata Energy</i> Michael Smiarowski, <i>Siemens</i> Keith Kirkpatrick, <i>McHale and Associates</i></p>	<p>Breakout Room #2 COVID-19 Impacts on Electrical Utilities Panel Live Q&A</p> <p>Moderators: Frank Michell Shripad Revankar</p> <p>Panelists: Emeka Okafor, <i>AEP Ohio</i> Bethany Schunn, <i>Cardinal Power Plant</i> Dragan Komljenovic, <i>Hydro Quebec</i></p>	<p>Technical Session Room #1 ICONE 11.2 - Beyond Design Basis ICONE 14.8 - Student Paper Competition</p>
			<p>Technical Session Room #2 ICONE 10.3 - Decontamination & Decommissioning ICONE 8.4 - Computational Fluid Dynamics (CFD)</p>
			<p>Technical Session Room #3 ICONE 14.1 - Student Paper Competition</p>
			<p>Technical Session Room #4 ICONE 3.5 - Nuclear Plant Engineering ICONE 14.2 - Student Paper Competition</p>
			<p>Technical Session Room #5 ICONE 2.2 - Nuclear Fuel and Engineering ICONE 14.4 - Student Paper Competition</p>
			<p>Technical Session Room #6 ICONE 5.1 - Nuclear Safety, Security, and Cyber Security</p>
			<p>Technical Session Room #7 POWER 4 - Virtual Plant and Cyber- Physical Systems</p>
			<p>Technical Session Room #8 POWER 6.1 - Renewable Energy Systems</p>
12:15PM to 12:30PM	Networking Break		
			<p>Technical Session Room #9 POWER 10.1 - Thermal Hydraulics and Computational Fluid Dynamics</p>



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12:30PM to 1:15PM	<p align="center">General Session Room - Plenary Tomorrow's Energy, Today: Modernization of the Nuclear Industry Ken Canavan, Chief Technology Officer, Westinghouse Electric Co. Live Q&A</p>		
1:15PM to 1:45PM	Exhibit Hall Break		Siemens Simulator (Live) Interactive Session
1:45PM to 3:15PM	<p align="center">Breakout Room #1 <i>Idaho National Lab:</i> Enabling a Bright Future for Nuclear Energy through Innovation Panel Live Q&A</p> <p align="center">Moderators: John Wagner George Mesina</p> <p align="center">Panelists: Bruce Hallbert Nicholas Smith Mike Narato Christine King Jess Gehin Kemal Pasamehmetoglu</p>	<p align="center">Breakout Room #2 Robotics and Drones Seminar Live Q&A</p> <p align="center">Moderators: Navid Goudarzi Frank Michell</p> <p align="center">Panelists: Dwayne McDaniel, <i>FIU</i> Dave Kahan, <i>GeckoRobotics</i> Cory Knittel, <i>Skydio</i> Lou Nash, <i>Measutronics Corp.</i></p>	<p align="center">Technical Sessions</p> <p>Technical Session Room #1 ICONE 7.5 - Thermal-Hydraulics</p> <p>Technical Session Room #2 ICONE 13.1 - Probabilistic Risk Assessments</p> <p>Technical Session Room #3 ICONE 14.3 - Student Paper Competition</p> <p>Technical Session Room #4 ICONE 14.5 - Student Paper Competition</p> <p>Technical Session Room #5 ICONE 3.2 - Nuclear Plant Engineering</p> <p>Technical Session Room #6 ICONE 5.3 - Nuclear Safety, Security, and Cyber Security</p> <p>Technical Session Room #7 ICONE 8.3 - Computational Fluid Dynamics (CFD)</p> <p>Technical Session Room #8 ICONE 10.1 - Decontamination & Decommissioning</p> <p>Technical Session Room #9 POWER 5 - Plant Development and Construction POWER 10.2 - Thermal Hydraulics and Computational Fluid Dynamics</p>
3:15PM to 3:30PM	Exhibit Hall Break		



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3:30PM to 5:00PM	<p>Breakout Room #1 Live Intro Advanced Fuel Development Panel Live Q&A</p> <p>Moderator: Guoqiang Wang</p> <p>Panelists: Masao Owaki, <i>Toshiba</i> Dennis Hussey, <i>EPRI</i> John Strumpell, <i>Framatome</i> Bernie Copsey, <i>Westinghouse</i> Min Xiao, <i>CNPRI</i></p>	<p>Breakout Room #2 Operational Flexibility Workshop Live Q&A</p> <p>Instructors: Steve Radke, <i>Siemens</i> Brian Vitalis, <i>Babcock Power</i> Alejandro Felix, <i>Siemens</i> William Conlon, <i>Pintail Power</i> Steve Reid, <i>TG Advisers</i> Glenn Davis, <i>Siemens</i></p>	Technical Sessions
			Technical Session Room #1 ICONE 1.1 - Operating Plant Experience
			Technical Session Room #2 ICONE 10.2 - Decontamination & Decommissioning
			Technical Session Room #3 ICONE 7.6 - Thermal-Hydraulics
			Technical Session Room #4 ICONE 14.6 - Student Paper Competition
			Technical Session Room #5 ICONE 5.2 - Nuclear Safety, Security, and Cyber Security
			Technical Session Room #6 ICONE 5.6 - Nuclear Safety, Security, and Cyber Security
			Technical Session Room #7 ICONE 12 - Nuclear Policy ICONE 4.2 - SMR and Advanced Reactors
			Technical Session Room #8 ICONE 8.2 - Computational Fluid Dynamics (CFD)
Technical Session Room #9 POWER 9.1 - Plant Performance			
5:00PM to 5:30PM	<p>Opening and Networking Reception Sponsor: Westinghouse Electric Co. Introduction by Jeffrey Bradfute</p>		
5:30PM to 6:00PM	Exhibit Hall		



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10:00AM to 10:15AM	<p align="center">General Session Room Welcome Message</p>		
10:15AM to 11:45AM	<p align="center">Breakout Room #1 Idaho National Lab: Combining Energy Systems with Security Resiliency, and Efficiency Panel Live Q&A</p> <p align="center">Moderator: George Mesina</p> <p align="center">Panelists: Shannon Bragg-Sitton Jake Gentle Thomas Mosier Kurt Myers Tanvir Tanim</p>	<p align="center">Breakout Room #2 Advanced Manufacturing Panel Live Q&A</p> <p align="center">Moderator: Marc Albert, EPRI</p> <p align="center">Panelists: Clint Armstrong, <i>Westinghouse</i> Mingyue Sun, <i>SNERDI</i> Kota Otsuki, <i>MHI</i></p>	<p align="center">Technical Sessions</p> <p>Technical Session Room #1 ICONE 7.1 - Thermal-Hydraulics</p> <p>Technical Session Room #2 ICONE 3.1 - Nuclear Plant Engineering</p> <p>Technical Session Room #3 ICONE 8.1 - Computational Fluid Dynamics (CFD)</p> <p>Technical Session Room #4 ICONE 3.3 - Nuclear Plant Engineering</p> <p>Technical Session Room #5 ICONE 14.7 - Student Paper Competition</p> <p>Technical Session Room #6 POWER 1.1 - Fuels, Combustion & Material Handling</p> <p>Technical Session Room #7 POWER 6.2 - Renewable Energy Systems</p> <p>Technical Session Room #8 POWER 7 - Heat Exchanger Technologies POWER 6.3 - Renewable Energy Systems</p>
11:45AM to 12:30PM	<p align="center">Networking Break</p>		<p align="center">Siemens Simulator (Live) Interactive Session</p>
12:30PM to 1:15PM	<p align="center">General Session Room - Plenary INL, A Vital Resource to Meet the Nation's Energy and Security Future Mark Peters, INL Lab Director Live Q&A</p>		
1:15PM to 1:45PM	<p align="center">Exhibit Break</p>		



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1:45PM to 3:15PM	<p>Breakout Room #1 POWER Student Competition Live Q&A</p> <p>Moderators: Andre Teixeira Steve Greco</p>	<p>Breakout Room #2 SMR and Advanced Reactors Panel Live Q&A</p> <p>Moderator: Shripad Revankar</p> <p>Panelists: Matthew Swartz, <i>Westinghouse</i> Masayoshi Matsuura, <i>Hitachi</i> Song Danrong, <i>NPIC</i></p>	Technical Sessions
			Technical Session Room #1 ICONE 6.1 - Codes & Standards
			Technical Session Room #2 ICONE 7.3 - Thermal-Hydraulics
			Technical Session Room #3 ICONE 3.4 - Nuclear Plant Engineering
			Technical Session Room #4 ICONE 4.1 - SMR and Advanced Reactors
			Technical Session Room #5 ICONE 5.4 - Nuclear Safety, Security, and Cyber Security
			Technical Session Room #6 ICONE 7.2 - Thermal-Hydraulics
			Technical Session Room #7 POWER 8.1 - Steam Turbines, Generators and Auxiliaries
			Technical Session Room #8 POWER 2 - Combustion Turbine Combined Cycles
			Technical Session Room #9 POWER 11 - Water Management for Power Systems
3:15PM to 3:30PM	Student Live Q&A	Exhibit Hall Break	



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3:30PM to 5:00PM	<p>Breakout Room #1 Nuclear Policy Panel Live Q&A</p> <p>Moderator: Bob Stakenborghs</p> <p>Panelists: Suzie Jaworowski, <i>US DOE</i> Alyse Huffman, <i>US House of Reps.</i> Spencer Nelson, <i>US Senate</i> Niko McMurray, <i>ClearPath</i> Jackie Kempfer, <i>Third Way</i></p>	<p>Breakout Room #2 ICONE Student Competition Winners Live Q&A</p> <p>Moderators: Shripad Revankar Suyuan Yu Shuichiro Miwa Wolfgang Hasen</p>	Technical Sessions
			Technical Session Room #1 ICONE 13.2 - Probabilistic Risk Assessments
			Technical Session Room #2 ICONE 2.1 - Nuclear Fuel and Engineering
			Technical Session Room #3 ICONE 9 - Verification and Validation
			Technical Session Room #4 ICONE 7.4 - Thermal-Hydraulics
			Technical Session Room #5 ICONE 7.7 - Thermal-Hydraulics
			Technical Session Room #6 ICONE 5.5 - Nuclear Safety, Security, and Cyber Security
			Technical Session Room #7 ICONE 11.1 - Beyond Design Basis
			Technical Session Room #8 POWER 1.2 - Fuels, Combustion & Material Handling
			Technical Session Room #9 POWER 3 - Boilers & Heat Recovery Steam Generators POWER 1.3 - Fuels, Combustion & Material Handling
5:00PM to 5:45PM	Awards Ceremony		