



ASME® 2021 QNDE

Annual Review of Progress in Quantitative Nondestructive Evaluation

QNDE Day 1 - Wednesday, July 28, 2021 - Eastern Time

WELCOME & OPENING PLENARY SESSION

9:30 AM – 9:50 AM	Live Welcome from Thomas COSTABILE P.E., Executive Director/CEO, ASME and Tribikram (Bikram) KUNDU, QNDE 2021 Conference Chair, University of Arizona				
9:50 AM – 10:20 AM	Plenary Speaker 1 - Prof. Dr. Walter ARNOLD, Saarland University Lecture Title: Non-Destructive Materials Characterization on a Small Scale Using Atomic Force Microscopy - Introduced by Tribikram (Bikram) KUNDU, QNDE 2021 Conference Chair, University of Arizona				
10:20 AM – 10:35 AM	Q&A with Prof. Dr. Walter ARNOLD, Saarland University				
10:35 AM - 10:40 AM	Short Break				
10:40 AM - 11:25 AM	CONCURRENT LIVE TECHNICAL TRACK PRESENTATIONS with Q&A				
	01-01: Advanced Modelling for NDE	07-01: Machine Learning and Statistical Methods in NDE	10-01: NDE Modeling and Prognostics for Composites	18-01: Ultrasonic Arrays	05-01: Electromagnetic NDE Techniques
11:25 AM – 11:40 AM	Break Time – Stretch your legs and connect with colleagues!				
11:40 AM – 12:25 PM	CONCURRENT LIVE TECHNICAL TRACK PRESENTATIONS with Q&A				
	16-01: Structural Health Monitoring	18-02: Ultrasonic Arrays	09-01: NDE for Civil Infrastructure	06-01: Guided Waves	11-01: NDE/SHM for Oil & Gas Industry
12:25 PM – 12:35 PM	Short Break				
12:35 PM – 1:35 PM	INDUSTRY PANEL: Future Industry Opportunities and Gaps in NDE				
1:35 PM – 1:50 PM	Q&A with Industry Panelists				
1:50 PM – 2:00 PM	Short Break				
2:00 PM – 2:45 PM	CONCURRENT LIVE TECHNICAL TRACK PRESENTATIONS with Q&A				
	13-01: Nonlinear Ultrasonic Techniques	06-02: Guided Waves	14-01: NDE for Nuclear Power	02-01: Design and Application of Metamaterials for Quantitative NDE/SHM	18-03: Ultrasonic Arrays
2:45 PM – 3:15 PM	BREAKOUT NETWORKING FOR TECHNICAL PRESENTATIONS - Authors and attendees are invited to join a topic room to continue conversations and network.				

QNDE Day 2 - Thursday, July 29, 2021 - Eastern Time

WELCOME & PLENARY SESSION					
9:30 AM – 10:10 AM	Welcome & Plenary Speaker 2 - Dr. Kara PETERS, North Carolina State University Lecture Title: <i>Acoustic-Optical Interactions in Optical Fiber Sensors for Ultrasonic Inspection of Structures</i> . Introduced by Prof. Henrique REIS, QNDE 2021 Conference Co-Chair, University of Illinois at Urbana-Champaign				
10:10 AM – 10:25 AM	Q&A with Dr. Kara PETERS, North Carolina State University Lecture Title: <i>Acoustic-Optical Interactions in Optical Fiber Sensors for Ultrasonic Inspection of Structures</i>				
10:25 AM – 10:30 AM	Short Break				
10:30 AM – 11:15 AM	CONCURRENT LIVE TECHNICAL TRACK PRESENTATIONS with Q&A				
	19-01: Ultrasonic Scattering	07-02: Machine Learning and Statistical Methods in NDE	11-02: NDE/SHM for Oil & Gas Industry	09-02: NDE for Civil Infrastructure	
11:15 AM – 11:30 AM	Short Break				
11:30 AM - 12:15 PM	CONCURRENT LIVE TECHNICAL TRACK PRESENTATIONS with Q&A				
	07-03: Machine Learning and Statistical Methods in NDE	08-01: NDE for Additive Manufacturing	14-02: NDE for Nuclear Power	06-03: Guided Waves	
12:15 PM – 12:20 PM	Short Break				
12:20 PM – 1:20 PM	Next Frontiers of NDE & Prognostics Research and Funding Landscape Panel				
1:20 PM – 1:35 PM	Q&A with Industry Panelists				
1:35 PM – 1:40 PM	Short Break				
1:40 PM – 2:05 PM	SPECIAL LIVE Q&A SESSION with POSTER SUBMISSION AUTHORS MODERATOR: Henrique REIS, QNDE 2021 Conference Co-Chair, University of Illinois at Urbana-Champaign				
2:05 PM – 2:50 PM	CONCURRENT LIVE TECHNICAL TRACK PRESENTATIONS with Q&A				
	04-01: Eddy Current NDE	11-03: NDE/SHM for Oil & Gas Industry	19-02: Ultrasonic Scattering	14-03: NDE for Nuclear Power	
2:55 PM – 3:25 PM	BREAKOUT NETWORKING FOR TECHNICAL PRESENTATIONS - Authors and attendees are invited to join a topic room to continue conversations and network.				
QNDE Day 3 - Friday, July 30, 2021 - Eastern Time					
9:30 AM – 9:45 AM	Welcome to the Final Day by Dr. Yuris Dzenis, Chair of ASME's Nondestructive Evaluation Diagnosis Prognosis Division and Dr. Jeong-Beom (J-B) Ihn, Co-Chair of QNDE 2021				
9:45 AM – 10:30 AM	CONCURRENT LIVE TECHNICAL TRACK PRESENTATIONS with Q&A				
	08-02: NDE for Additive Manufacturing	06-04: Guided Waves	11-04: NDE/SHM in Oil & Gas Industry	15-01: Resonant NDE	05-02: Electromagnetic NDE Techniques
10:30 AM – 10:45 AM	Short Break				

10:45 AM – 11:30 AM	CONCURRENT LIVE TECHNICAL TRACK PRESENTATIONS with Q&A				
	11-05: NDE/SHM for Oil & Gas Industry	06-05: Guided Waves	13-02 / 17-01: Nonlinear Ultrasonic Techniques (part 2) and Thermal Techniques for NDE	07-04: Machine Learning and Statistical Methods in NDE	16-02: Structural Health Monitoring
11:30 AM – 12:00 PM	QNDE Awards Presentation & Conference Conclusion Join us in congratulating the winners of the prestigious Founders Award and the 2020 Best Paper Awards and 2020 Outstanding Paper Awards				

<https://event.asme.org/QNDE>