



SECTION SPEAKERS DIRECTORY

2022

APRIL

ASNT | SECTIONS.

When planning section meetings, finding speakers can be one of the most significant challenges. ASNT has prepared this Section Speakers Directory to help section leaders meet this challenge. This directory is a tool that leaders can use to search for and contact speakers to enrich and support a section's programming goals.

The directory lists speakers who have volunteered to offer presentation services. Speakers have not been screened. Their listing here does not imply or constitute an endorsement by ASNT. Leaders should work directly with speakers to plan the details of speaking engagements. To ensure the highest quality program, you may wish to ask speakers for references before extending an invitation.

Section leaders can use the directory to find speakers to keep section programs fresh and on the cutting edge of what is going on in NDT.

Updates to the directory will be made twice a year. Speakers who are interested in being included in the directory should email sections@asnt.org.

The Section Speakers Directory is only for the use of ASNT Sections and should not be shared or distributed otherwise.

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Mr. Mohammed A. Abufour

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 Dhahran, Saudi Arabia

NDT METHOD CERTIFICATIONS: MT, UT & VT

PRESENTATION TOPICS:

- ◆ Environment-Assisted Corrosion Cracking in Carbon Steels

AV NEEDS:

None

WILL TRAVEL TO:

Regions 19 & 21

Mr. Abufour has more than 30 years of Nondestructive Testing (NDT) experience in the oil and gas industry. Mr. Abufour graduated from the University of Northampton in Northampton, Northamptonshire, England with a Bachelor of Science degree in NDT. He also holds ASNT level III certification in Ultrasonic Testing, Magnetic Particle Testing and Visual Testing. In his current position at the Saudi Aramco Oil Company, he leads the advanced NDT inspection Service Unit to provide services to operating facilities.

Mr. Abufour served from 2015 - 2018 as a Director at Large on the ASNT Board of Directors. Currently, he is a member of the ASNT Certification Management Council (CMC), the ASNT Ultrasonic Testing Committee, and the ASNT Industry Sector Qualification Committee - Oil & Gas Task Group. Mr. Abufour is a founder of the ASNT Saudi Arabian Section and currently serves as Section treasurer.

Mr. Uwe Aschemeier

Sr. Welding Engineer
Subsea Global Solutions
uwe@sgsdiving.com
(786)473-9540
Cincinnati, OH

NDT METHOD CERTIFICATIONS: MT, PT, UT & VT

PRESENTATION TOPICS:

- ◆ Underwater Welding Projects
- ◆ Underwater Welding

AV NEEDS:

Projector to show PowerPoint presentation

WILL TRAVEL TO:

Region 11

Mr. Aschemeier is a German-born and educated welding engineer who has evolved through the metals industry by studying mechanical engineering and welding engineering at various advanced education institutions in Germany.

Mr. Aschemeier worked for the German Welding Society at its Institute in Munich for several years prior to moving to the United States of America. Once in the U.S., Mr. Aschemeier continued his expertise development by working for the Chicago Manufacturing Center, a non-profit consulting organization as well as Charcas Engineering/Domson Engineering in Toronto, Canada. In 2000, he joined H.C. Nutting Company in Cincinnati where he worked as a senior welding engineer, commercial diver, and consultant. After consulting for Miami Diver for several years in welding-related topics, he joined Miami Diver LLC. (now Subsea Global Solutions) as their senior welding engineer and commercial diver.

Mr. Aschemeier serves on several AWS Standard committees and task groups in several senior positions. He has authored and co-authored several welding and NDE-related articles published in the "Welding Journal", "Inspection Trends" and other national and international trade magazines. As District Director for the AWS District 7, he also serves on the AWS Board of Directors.

Ms. Karin Athanas

Business Development Manager

A2LA

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(301)644-3236

Frederick, MD

PRESENTATION TOPICS:

- ◆ Applying Accreditation Principles to Daily Work
- ◆ ISO/IEC 17020, An Overview For Organizations Performing Nondestructive Testing

AV NEEDS:

Projector and screen

WILL TRAVEL TO:

Regions 1, 2, 3, & 4

Ms. Athanas has more than ten (10) years of experience in the testing industry including forensic science, materials testing, clinical analysis, and quality assurance. Ms. Athanas' experience includes laboratory work in clinical and forensic settings and accreditation officer and lead auditor experience working for the American Association for Laboratory Accreditation (A2LA) in Frederick, MD.

A2LA is an internationally recognized, 501(c)3, non-profit accreditation body located in the United States which offers a full range of comprehensive laboratory and laboratory-related accreditation services and training. Ms. Athanas currently serves as A2LA's business development manager and government and regulatory affairs manager. Throughout her tenure at A2LA, Ms. Athanas has worked with customers in all areas of testing and inspection and has successfully completed training in ISO/IEC 17020, ISO/IEC 17025, ISO/IEC 17065, and ISO 15189 and hosts free webinars monthly on quality assurance and accreditation.

Ms. Athanas is Chair of the Quality Infrastructure Committee of the NIST Organization of Forensic Scientific Area Committees (OSAC NIST QIC), is an appointed committee member of the Maryland Forensic Laboratory Advisory Committee (FLAC), Board member of the Society of Standards Professionals (SES) Board of Directors, and committee member of the American Council of Independent Laboratories (ACIL) Government and Regulatory Affairs committee.

Mr. David Bajula

General Manager, Advanced NDT Services

Acuren

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(713)504-9909

La Porte, TX

NDT METHOD CERTIFICATIONS: MT, PT, RT, UT, VT

PRESENTATION TOPIC:

- ◆ NII – AUT in lieu of Internal Inspections
- ◆ High Temperature PAUT Reactor Inspections

AV NEEDS:

Projector and screen or large screen TV and VGA or HDMI connector

WILL TRAVEL TO:

Region 5, 10, 14, 15 & Minnesota

Mr. Bajula got his start as one of the “Hutch Pups” in 1980, attending Hutchinson Vocational Technical School, now Ridgewater College, in Minnesota. He has nearly 40 years of broad experience in NDT inspection services, management, leadership, operations and business development. He has worked for some of the top companies in the world including General Electric, Combustion Engineering, and now Acuren Inspection for the past 20 years.

Mr. Bajula maintains his ASNT NDT Level IIIs and ACCP Professional Level IIIs in RT, UT, MT, PT, VT, ET, LET, IR and ML. He also maintains his American Welding Society Certified Welding Inspector and API-510 Qualification of Ultrasonic Testing Examiners, Qualification of Ultrasonic Testing Examiners (Sizing) and Qualification of Ultrasonic Testing Examiners (Phased Array).

Mr. Bajula has a strong commitment to ASNT through committee work. He serves on the Certification Management Council and is the regional director for ASNT Region 10. He has also served as ASNT president in 2017 and chairperson of the board in 2018.

Dr. Yosi Bar-Cohen

Group Supervisor & Senior Research Scientist
Jet Propulsion Lab
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(818)354-2610
Pasadena, CA

NDT METHOD CERTIFICATIONS: UT

PRESENTATION TOPIC:

- ◆ Biologically-inspired robots as artificial inspectors – science fiction and engineering reality

AV NEEDS:

Projector and screen or large screen TV and VGA or HDMI connector

WILL TRAVEL TO:

Region 15 - Prefers Los Angeles area

Dr. Bar-Cohen is a Senior Research Scientist and a Group Supervisor at Jet Propulsion Lab (JPL) (<http://ndeaa.jpl.nasa.gov/>). He received his Ph.D. in physics from the Hebrew University in Jerusalem, Israel in 1979. His research is focused on electroactive mechanisms and biomimetics.

He has edited and coauthored 9 books, co-authored over 390 publications, co-chaired 50 conferences, has 35 registered patents and co-authored 121 New Technology Reports (NTR). His notable initiatives include challenging engineers and scientists worldwide to develop a robotic arm driven by artificial muscles to wrestle with humans and win.

For his contributions to the field of artificial muscles, *Business Week* named him in April 2003, one of five technology gurus who are “Pushing Tech's Boundaries.” His accomplishments earned him two NASA Honor Award Medals, two SPIE’s Lifetime Achievement Awards, Fellow of two technical societies: ASNT and SPIE, as well as many other honors and awards.

Mr. Jim P. Bemis

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San Clemente, CA

NDT CERTIFICATIONS: IRRSP (GAMMA & X-RAY)

PRESENTATION TOPIC:

- ♦ Radiation safety and compliance

AV NEEDS:

Screen and projector and VGA or HDMI connector

WILL TRAVEL TO:

Regions 9, 10, 14, 15 and 16

As Corporate Radiation Safety Manager for MISTRAS, Mr. Bemis supports the radiation safety and compliance program as regional-oversight manager/auditor for RAM licenses operating in Alaska, Washington, California, Colorado, Utah, Oklahoma and Wyoming.

With thirty years' experience in NDE, QC and QA auditing, his principal focus is on nuclear power plant construction and maintenance with additional experience supporting fossil fuel plant modifications and repair, military/NASA construction, refinery/pipeline maintenance, repair and post-accident evaluations and cause analysis.

Within NDE, Mr. Bemis' primarily focus is in gamma radiography, regulatory compliance, and radiation safety. He has previous certifications in RT, MT, PT, UT, VT and welding (CWI) inspection methods. Within QC, he has served as an ANSI (N45.2.6) mechanical, electrical, instrumentation/control and nuclear coatings/civil inspector and QC program manager. Within QA, he was previously certified as lead auditor at the San Onofre Nuclear Generation Station where he supported the nuclear power industry as an NDE subject matter expert at various nuclear stations across the US in alliance with the Nuclear Industry Evaluation Program.

He graduated with a Bachelor of Science in organizational leadership from Biola University in La Mirada, CA and earned a quality assurance certificate from Palomar College in San Marcos, CA. His objective is to improve human performance, knowledge, compliance, and safety in the NDE industry.

Mr. Eric Blackwell

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Acworth, GA

PRESENTATION TOPICS:

- ◆ CUI Reinvented: What Can and Cannot be Done with PEC
- ◆ ECA for Carbon Steel Inspection: Eddy Current Array Designed to Replace PT and MT Inspections

AV NEEDS:

Projector and screen and VGA or HDMI connector

WILL TRAVEL TO:

Regions 5, 6, 7 and 8

Mr. Blackwell has been in the NDT field for 40 years. He started in the United States Air Force as an NDT specialist in 1977. After leaving the Air Force, he worked in the shipyard and aviation industries until 1990. At that time, he moved into the sales side of NDT and has worked for GE, Olympus and is now with Eddyfi. Mr. Blackwell has a thorough background in the evolution of Eddy Current testing.

Mr. Bruce Breeden

Field Service Practice Leader
Mobile Reach
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(828)782-0287
Cary, NC

PRESENTATION TOPICS:

- ◆ The Intentional Field Service Engineer

AV NEEDS:

Projector and screen and VGA or HDMI connector

WILL TRAVEL TO:

Regions 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16 & 21

Mr. Breeden has a field service career starting as an engineer and advancing to executive levels of leading service operations, managing marketing programs and leading training and development for field personnel. He currently is the Field Service Practice Leader for Mobile Reach where he works with service organizations to improve operational efficiency through workforce development, digitizing major processes and enabling service technician efficiency. Mr. Breeden is the author of the book *The Intentional Field Service Engineer* and conducts service technician and manager training workshops around the world.

Mr. Stanley F. Botten

NDT Consultant
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(281)458-4106
Houston, TX

NDT CERTIFICATIONS: AE

PRESENTATION TOPICS:

- ◆ Acoustic Emission Testing in Petrochemical Industry
- ◆ Acoustic Emission Testing Inspection on Line Inspection

AV NEEDS:

HDMI projector and screen

WILL TRAVEL TO:

Region 10

Mr. Botten is an ASNT Level III in Acoustic Emission Testing (AE). He has more than 46 years of NDT experience and has trained in UT, MT, ET and RT. He earned a Bachelor of Science degree in NDT engineering. Mr. Botten has published 20 NDT-related research and application case study papers. For three years, Mr. Botten lectured at San Jacinto College in Pasadena, Texas.

Mr. Christopher Brenchley

CEO

Surehand, Inc.

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Morgan Hill, CA

PRESENTATION TOPIC:

- ◆ The Hidden Cost of Hiring in Industrial Inspection

AV NEEDS:

Laptop and projector

WILL TRAVEL TO:

Regions 10, 14 & 15

Mr. Brenchley is an entrepreneurial business strategist and evangelist specializing in innovation, acceleration, and growth for emerging digital businesses. He is currently co-founder and CEO of Surehand, Inc., an on-demand hiring platform for NDT and industrial inspection. Surehand uses advanced technology to provide a more efficient, less costly way for employers to find and engage the best people for the job, while offering workers more opportunities to advance their career and increase their earning potential.

Mr. Nicholas J. Bublitz

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Chelsea, AL

NDT CERTIFICATIONS: UT

PRESENTATION TOPICS:

- ◆ Phased Array and TOFD applications

AV NEEDS:

HDMI projector and screen

WILL TRAVEL TO:

Region 6

Mr. Bublitz earned an Associate of Applied Science degree in nondestructive testing from Southeast Community College in Milford, NE. He spent more than 10 years working at Olympus NDT focused on Phased Array, TOFD and other difficult applications. Mr. Bublitz is a certified ASNT NDT Level III – Ultrasonics.

Mr. Alan Caulder

Vice President of Sales
Advanced OEM Solutions
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Charlotte, NC

NDT CERTIFICATIONS: MT & UT

PRESENTATION TOPIC:

- ◆ Advancements in Full Matrix Capture and the Total Focusing Method
- ◆ Optimizing your Advanced Ultrasonic Inspections

AV NEEDS:

Projector and screen

WILL TRAVEL TO:

Regions 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16 & 21

Mr. Caulder has been working in the NDT industry for more than 16 years in both the technical and business arenas. He has experience in the areas of quality, personnel and executive management as well as that of Corporate Level III. He currently holds an ASNT Level III certification in Ultrasonic Testing and Magnetic Particle Testing. As the VP of Sales for Advanced OEM Solutions, his primary focus is business development and sales in North America.

Dr. John Z. Chen

Materials Engineer
Schlumberger
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(281)233-5421
Katy, TX

NDT CERTIFICATIONS: ET, MT, PT, RT & UT

PRESENTATION TOPIC:

- ◆ Introduction to Welding Engineering from a User's Point of View
- ◆ NDT of Welds in Upstream Equipment for Oil and Gas
- ◆ Welding Techniques for the Making of Oilwell Drilling Tools

AV NEEDS:

Projector and screen or a large screen TV with a VGA or HDMI connector

WILL TRAVEL TO:

Regions 8 and 10

Dr. Chen holds a Ph.D. in welding engineering from the Ohio State University. He has more than 20 years of NDT and welding experience in research and industry. He is an ASNT NDT Level III in 5 methods and an AWS CWI. He has volunteered in ASNT for multiple years and served on the Board of Houston Section of AWS. A Fellow of ASNT, he currently serves as an Associate Technical Editor for Materials Evaluation and a Principle Reviewer for the Welding Journal.

Dr. John C. Duke, Jr.

Professor Emeritus/Consultant

Virginia Tech

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(540)231-6063

Blacksburg, VA

PRESENTATION TOPICS:

- ◆ NDE Engineer: The Missing Subject Matter Expert on Planning and Design Teams Where Achieving and Maintaining Structural Integrity Matters.
- ◆ As with a Bird, Both the Right Wing and the Left Wing Matter as Does NDE Inspection and NDT Engineering
- ◆ A New Design Process Paradigm: Sustainable System Design

AV NEEDS:

Projector and screen

WILL TRAVEL TO:

Regions 4 & 5

Dr. Duke is a Professor Emeritus at Virginia Tech in Blacksburg, VA where he served as a professor in the College of Engineering for more than 35 years. He holds a PhD from Johns Hopkins University in Mechanics and Materials Science, is a Fellow of ASNT and ASME and an active affiliate of the Transportation Research Board of the National Academy of Sciences where he chairs the SHM Subcommittee.

Dr. Duke serves as an external member of the NASA National Engineering Safety Center Nondestructive Evaluation (NDE) Technical Discipline Team. He has long labored to have engineering education include understanding of NDE and currently chairs the ASNT Technical & Engineering Division committee on NDT Engineering Education. He serves as Associate Technical Editor of ME and Editor-in-chief of RNDE. He has conducted research and development for industry and government sponsors as director of the Virginia Tech NDE Development Lab which has now evolved into the Damage Science & Mechanics Laboratory.

Dr. Duke's research focus is understanding initiation and development of damage which reduces the strength or life of structures and systems for which integrity is critical. His educational focus is on professional development for all levels of the NDT profession. Having previously served on the ASNT Board of Directors and as chair and founding member of the ASME NDE Engineering Division, Dr. Duke is again serving from 2018 – 2020 as director-at-large on the ASNT Board of Directors.

Mr. Ned A. Finney, Jr.

Lead Nuclear NDE Specialist

Duke Energy

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(704)877-8676

Concord, NC

NDT METHOD CERTIFICATIONS: LT & UT

PRESENTATION TOPICS:

- ◆ ASME Section V, Nondestructive Examination
- ◆ Using ASME Section V, Nondestructive Examination Code with Other Construction Codes

AV NEEDS:

Projector and screen

WILL TRAVEL TO:

Region 5 and available for virtual presentations

Mr. Finney has been a member of ASNT since 1991 and is an ASNT Level III in UT & LT. He held previous Level III certifications in RT, MT, PT. He has been involved in the NDE field since 1983, and currently serves as a Duke Energy Principal Level III.

Mr. Sebastian Fernandes

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Sharjah, United Arab Emirates

NDT METHOD CERTIFICATIONS: ET, LT, MT, PT, RT, UT & VT

PRESENTATION TOPICS:

- ◆ Issues Relating to Application of SNT TC 1A
- ◆ Digital Radiography – The New Horizon

AV NEEDS:

Projector and screen

WILL TRAVEL TO:

Regions 11 & 19

Mr. Fernandes has been a member of ASNT since 1986. He earned a Bachelor of Technology degree in Metallurgical Engineering from the Indian Institute of Technology (IIT) in Bombay, India. He subsequently completed a master's degree in Quality Management also from IIT. Mr. Fernandes is ASNT Level III certified in seven methods and is ISO 9712 NDE Level III certified by the British Institute of NDT in addition to being CSWIP Level 3 in UT Phased Array and ToFD. He is also an International Register of Certificated Auditors (IRCA)-registered Principal Quality Auditor and holds several other certifications including European/International Welding Engineer, ASQ Certified Manager of Quality/Organizational Excellence, API 510 Pressure Vessel Inspector, and BGAS-CSWIP Painting Inspector.

For more than 38 years, Mr. Fernandes has been working in the fields of NDT, Quality Control and Assurance function. From 1986 – 1989, he served on the board of examiners for the Indian Society for Nondestructive Testing (ISNT). Currently, he serves on the ASNT Certification Management Council (CMC) and is serving from 2019 – 2021 as a Director-at-Large on the ASNT Board of Directors. Since 2015, he has served as the secretary of the ASNT United Arab Emirates (UAE) Section and has been instrumental in collating activities and related points for the ASNT President's Award program earning the Section a silver award for two consecutive years. Mr. Fernandes leads the Certification Oversight Committee for the UAE Section and is actively involved in increasing awareness about correct applications of ASNT SNT-TC-1A. He has contributed toward review of ASNT documents and the development of training and examination material for ASNT and ASQ. He has conducted several training programs in NDT and is currently engaged as technical consultant.

Mr. Greg W. Floor

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(801)273-1807
Salt Lake City, UT

NDT METHOD CERTIFICATIONS: MT

PRESENTATION TOPICS:

- ◆ NDT in the Ski Industry
- ◆ NDT in the Ski Industry Part 2: Bull Wheels

AV NEEDS:

Projector (VGA capable) and screen

WILL TRAVEL TO:

Regions 14 & 16

Mr. Floor began his career in the ski industry in 1974 at Brighton Ski Resort in Brighton, UT. While working as a staff member in lift maintenance, Mr. Floor certified as a Level II in MT which enabled him to inspect Brighton's ski lift equipment which he did from 1996 – 2005.

In the summer of 2005, Doppelmayr USA hired Mr. Floor as their Level II MT to inspect ski lift parts that were being produced and serviced at their Utah plant. In December of 2010, Mr. Floor furthered his education and certified as an ASNT NDT Level III. Mr. Floor founded Wasatch NDT LLC in January 2011 which provides inspection and Level III services for the ski industry across the western United States.

Mr. Noah Fredette

Senior Sales and Business Development Manager

COMET Technologies

Noah.fredette@cometusa.com

(814)386-1864

Shelton, CT

PRESENTATION TOPIC:

- ◆ Transition from Gamma to Portable X-Ray Technology

AV NEEDS:

None

WILL TRAVEL TO:

Region 8, 10, 14, 15, 16, 21

Mr. Fredette graduated with a degree in business management from Juniata College in Huntington, PA. He has worked for both major corporations as well as small NDT supply companies. For the nearly 10 years, Mr. Fredette has been focusing on radiography within NDT where he currently is the Senior Sales and Business Development Manager for COMET Technologies, based in Phoenix, AZ.

Mr. Gerard Frusci

Radiography Sales Manager
Baker Hughes, a GE Company
Gerard.frusci@bhge.com
(516)269-9708
North Versailles, PA

PRESENTATION TOPICS:

- ◆ Advancements in Radiography: Transitioning into Digital Radiography

AV NEEDS:

Projector and screen with an HDMI connection

WILL TRAVEL TO:

Regions 1, 2, 3, 4, 5, 6, & 7

Mr. Frusci graduated from West Virginia University in Morgantown, WV with a Bachelor of Science degree in industrial engineering. He has spent the last two years working for GE Inspection Technologies (now known as Baker Hughes).

Mr. Frusci has been trained in Digital Radiography (Computed Radiography, DDA's, and X-Ray Generator Sets) by GE's experts, many of whom have more than 30 years of experience in their respective fields. His experience focuses on helping companies with their conversion from Film Radiography to Digital Radiography.

Mr. Jerry Fulin

Retired

Jf65027@yahoo.com

(346)234-9685

Spring, TX

NDT METHOD CERTIFICATIONS: MT, PT, RT, UT, & VT

PRESENTATION TOPICS:

- ◆ Nondestructive Testing Report Writing
- ◆ UT of Very Large Castings

AV NEEDS:

Computer and projector - presentations are on a USB flash drive

WILL TRAVEL TO:

Region 10

Mr. Fulin has been involved with NDT for more than 35 years, mostly in the transportation side of the petro and chemical industry. He currently holds ASNT Level III certifications in MT, PT, RT, UT, and VT. Previously, he held certifications for API 510, 653 and CWI.

For the past 12 years, Mr. Fulin has been and continues to be the corporation NDT level III for several companies. Currently, he is an independent consultant working through Microalloying International, Inc. He has been an active member of the Greater Houston Section of ASNT where he has held all the officer and director positions. Additionally, he has served as a director for ASNT and held chairmen positions on numerous ASNT councils.

Mr. Greg A. Garcia

NDT Level III Engineer – Program Coordinator
EVRAZ North America
greg.garcia@evrazna.com
(719)561-6248
Pueblo, CO

NDT METHOD CERTIFICATIONS: MT & UT

PRESENTATION TOPICS:

- ◆ The Influence of Surface Roughness on Calibration and Ultrasonic Inspection
- ◆ Metallurgical and Nondestructive Testing Developments of Rail from the 1800's to 2018

AV NEEDS:

None

WILL TRAVEL TO:

Regions 2, 4, 10, 12, 13, 14 & 15

Mr. Garcia is a Nondestructive Testing (NDT) Level III Engineer-Program Coordinator for EVRAZ North America in Pueblo, Colorado. He earned a Bachelor of Science degree in Metallurgy from the University of Southern Colorado and has been involved in metallurgy and NDT for more than thirty-five years.

Mr. Garcia is an ASNT Level III and earned the ASNT Fellow designation in 2011. He currently serves as a Director at Large on the ASNT Board of Directors. Mr. Garcia has worked for the U.S. Government, Aerospace, Railroad and Steel Production industries. He has vast experience in metallurgy, NDT and failure analysis. He is currently involved in research and development of rail, wheel, rod, bar and tubular products. Greg is an active member of ASNT and the American Railway Engineering and Maintenance-of-Way Association (AREMA) Committee 4-Rail.

Mr. Garcia holds the following patent: Patent No.: U.S. 6,768,298 B2 Patent: Transverse Crack Detection in Rail Head Using Low Frequency Eddy Currents Date: July 27, 2004.

Mr. Stephen M. Garrett

Associate III, PE

Wiss, Janney, Elstner Associates, Inc.

sgarrett@wje.com

(708)707-2132

Northbrook, IL

PRESENTATION TOPICS:

- ◆ Infrastructure NDT

AV NEEDS:

Projector and screen or a large screen TV with a VGA connector

WILL TRAVEL TO:

Region 12

Mr. Garrett joined WJE in June 2014, and he has been involved in a variety of projects ranging from field inspection, materials testing, and structural analysis of both new and existing structural systems. Mr. Garrett has an interest in applying nondestructive testing in new and innovative ways to aid in condition assessment and repair of steel and concrete structures.

Prior to joining WJE, Mr. Garrett was a graduate research assistant at the University of Illinois where he developed a quality control plan for steel fiber reinforced concrete using nondestructive methods. His research was published in a thesis, and he has presented at several technical conferences. Mr. Garrett was also a teaching assistant where he led the laboratory portion of the graduate nondestructive testing course.

Mr. Samuel W. Glass III

Technical Advisor
Pacific Northwest National Laboratory
bill.glass@pnnl.gov
(434)258-8123
Richland, WA

PRESENTATION TOPICS:

- ◆ Hanford Under-tank Inspection with Ultrasonic Volumetric Non-destructive Examination Technology

AV NEEDS:

Screen and projector to plug in either HDMI or 9-pin D external connector

WILL TRAVEL TO:

Region 16

Mr. Glass is a technical advisor with more than 35 years of experience working on nondestructive evaluation (NDE), materials characterization, and robotics for inspection in hazardous environments in the United States and Europe. His work at PNNL supports DOE, NRC, and DHS projects in the area of energy security, nuclear storage, and test and evaluation. Mr. Glass also supports strategy development for the national security leadership team and participates in and manages several large projects.

Before joining PNNL, Mr. Glass served as chief technical advisor for AREVA NP, providing technical and project management oversight on inspection, design and condition monitoring services for nuclear power plants and research reactors in the nuclear energy market. He advised company leadership and technical teams on design, engineering, maintenance, installation, inspection, and repair of nuclear steam supply components and fuel for nuclear power plants and reactor services worldwide. Bill also oversaw large proposal bid review, nondestructive evaluation IP, and competitor intelligence for AREVA global NDE solutions.

Mr. Larry Gochnauer

Sales Manager
Danatronics Corporation
larry@danatronics.com
(770)315-4368
Lawrenceville, GA

NDT METHOD CERTIFICATIONS: UT

PRESENTATION TOPICS:

- ◆ Thickness Gages in my Lifetime

AV NEEDS:

Screen and projector

WILL TRAVEL TO:

Region 1, 5, 6, 7, 8, & 10

Mr. Gochnauer started in NDT more than 33 years ago as an electronics technician for Ridge Instruments building real time X-ray cabinets and part manipulation systems. He then spent the next 20 years as a Sales Engineer selling and training Panametrics/Olympus ultrasonic gages and systems and earning his Level II certification in UT.

After leaving Olympus, Mr. Gochnauer joined Physical Acoustics where he continued to sell and to provide training in their UT systems and their AE equipment, while earning his Level II certification in AE. With a greater interest in UT, he also earned a Level III certification in Ultrasonics, which he still maintains today. For the past 2 years, Mr. Gochnauer has been the Sales Manager for Danatronics.

Dr. Miguel A. Gonzalez- Núñez

Research Scientist
MISTRAS Group, Inc.
Miangonus67@gmail.com
(609)716-4080
Levittown, PA

PRESENTATION TOPICS:

- ◆ Recent Advances in Structural Health Monitoring using Acoustic Emission
- ◆ Detection of Localized Corrosion with AE

AV NEEDS:

Please contact Mr. Gonzalez- Núñez for details

WILL TRAVEL TO:

Region 2

Dr. González-Núñez obtained his Ph.D. and Master of Science degrees in the area of corrosion from the Corrosion and Protection Centre at The University of Manchester (formerly UMIST) in Manchester, England. He performed his undergraduate work in Mexico at the National Polytechnic Institute with a major in metallurgy.

Dr. Gonzalez has extensive experience in material and process technologies, including manufacturing processes, failure analysis, corrosion control and prevention, material testing and characterization, and reference standards specification development on anticorrosive coatings. He has extensive engineering knowledge and experience in development, validation, implementation, and application of new NDE techniques and is a NDT Level II in AE, UT, PT, MT and VT.

Dr. Gonzalez have been involved in research for the last 16 years, focusing the last two years on the development of a remote wireless monitoring system for cathodic protection on buried pipelines. This work will provide better understanding and interpretation of data analysis of buried pipelines systems containing interference problems with foreign structures (such as other pipelines, transmission electricity lines, etc.) complex systems.

He has also been involved in the development of an inspection system for vapor turbine rotor and monitoring system for combustion turbines. Dr. Gonzalez has more than 20 peer-reviewed papers, chapters in books and presentations in international conferences.

Mr. Matthew (Matt) Gormley

Sales & Business Development
Pinnacle X-Ray Solutions
mgormley@pxsinc.com
(860)209-2399
Suwanee, GA

PRESENTATION TOPICS:

- ◆ Developing Digital RT and CT Systems into Production Environments
- ◆ Metal 3D Printing and Understanding Resolution with CT Scanning

AV NEEDS:

None

WILL TRAVEL TO:

Regions 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16 & 21

Mr. Gormley has been developing advanced inspection technology solutions for Pinnacle X-Ray Solutions since 2018. He spent his previous 17 years working in the aerospace industry at Pratt & Whitney, with 10 years as a Global Responsible NDT Level 3 in Computed Radiography and Digital Radiography.

Mr. Gormley holds a Bachelor of Science degree in Mechanical Engineering from Kettering University in Flint, MI and Master of Science degree in Engineering and Management from Rensselaer Polytechnic Institute in Troy, NY. He also holds a Six Sigma Black Belt and lean manufacturing certificate from the University of Michigan in Ann Arbor, MI.

Mr. Paul Holloway

UT Level 3/Engineer

Holloway NDT & Engineering, Inc.

paul@hollowayndt.com

(905)703-0201

Georgetown, ON Canada

PRESENTATION TOPICS:

- ◆ Development of Extended Range Piping Calibration Blocks for Ultrasonic Weld Examination
- ◆ Improving on the 6 dB Drop Technique for Determination of Flaw Length

AV NEEDS:

Projector with HDMI input cable and a screen

WILL TRAVEL TO:

Regions 11 & 21

Mr. Holloway is a professional engineer in Ontario, Canada certified in nondestructive testing to Canadian General Standards Board (CGSB) Level 3 in Ultrasonics and visual inspection to CSA W178.2 Level 2. He is the president of Holloway NDT & Engineering Inc., a company specializing in ultrasonic testing field services, NDT training and consulting, and mechanical engineering services. The company serves the following industries offshore petrochemical, power generation, chemical, construction, manufacturing, automotive and aerospace sectors.

In 2004, Mr. Holloway received his Master of Applied Science degree in Mechanical Engineering from the University in Waterloo in Waterloo, Ontario Canada. He is also an active member of the CSA W59 committee. Paul drinks Starbucks French Roast, black.

Mr. George M. Hopman

President
NDE Solutions, Inc.
george@ndesolutions.net
(480)225-0775
Glendale, AZ

NDT METHOD CERTIFICATIONS: ET, ML, MT, PT, RT, UT & VT

PRESENTATION TOPICS:

- ◆ Future Changes to ASTM E1417/E1417M and ASTM E1444/E1444M
- ◆ Passing the Torch to the Next Generation of MT-PT Inspectors

AV NEEDS:

None

WILL TRAVEL TO:

Regions 9, 12 & 15

Mr. Hopman holds an ASNT Level III certificate in ET, ML, MT, PT, RT, UT and VT. He also holds an ASQ CQE and CQA certification. With more than 35 years of experience in NDT, Mr. Hopman has been the ASTM E07.03 (Magnetic Particle and Penetrant) Subcommittee Chairman for 8 years.

He has presented 16 ASNT Conferences papers and has been a consultant for 21 years teaching, certifying and facilitating audits. Mr. Hopman received peer recognition as an ASNT Fellow in 2011 and the ASNT Mentoring Award in 2014.

Dr. Michael W. Hull

Applications Scientist - X-ray Technologies
Olympus Scientific
Michael.hull@olympus-ossa.com
(713)485-9915
Webster, TX

PRESENTATION TOPICS:

- ◆ Applications of XRF & XRD for Inspection and Non-Destructive Testing
- ◆ XRF for Positive Material Identification

AV NEEDS:

LCD Projector with VGA connector

WILL TRAVEL TO:

Regions 10 & 12

Dr. Hull is an applications scientist for Olympus Corporation of the Americas in their Analytical Instruments division. Day-to-day, he develops custom solutions for XRF and XRD users. He earned a Ph.D. in inorganic chemistry from the University of Notre Dame in South Bend, IN. Dr. Hull's research involved the synthesis of novel materials.

Dr. Hull utilizes X-ray techniques for structural characterization and analytical identification. He was a faculty member in the Department of Natural Sciences at Northwest Missouri State University in Maryville, MO before joining Olympus, and has been a visiting researcher at Rice University in Houston, TX (2015) and the Colorado School of Mines in Golden, CO (2014).

Mr. Michael A. Kowatch

Owner
QTI Services, LLC
mike@qtillc.com
(724)217-9575
Latrobe, PA

NDT METHOD CERTIFICATIONS: MT, PT & VT

PRESENTATION TOPICS:

- ◆ Authoring a ASNT/NDT Publication

AV NEEDS:

Projector to show PowerPoint presentation

WILL TRAVEL TO:

Region 11

Mr. Kowatch is a veteran of the U.S. Navy and has been involved in the quality assurance and NDT fields for nearly 30 years. In addition to quality system management, he has served as an instructor - NDT, Weld Inspection and Welding -for the past 12 years. He is a member of several professional organizations including ASNT, AWS and ASTM where he actively serves on committee E07 (NDT).

Mr. Kowatch authored a Programmed Instruction Manual which was published by the American Society for Nondestructive Testing and has authored other periodical articles. He has also been a speaker at various technical meetings. Mr. Kowatch has extensive experience developing and managing ISO 17025, 9001 and Nadcap quality programs. He is currently the owner of QTI Services, LLC, a consulting and NDT Inspection Company.

Mr. Douglas G. Krauss

President
NDT Consultants, LLC
Dkrauss48@bellsouth.net
(256) 503-8300
Magazine, AR

NDT METHOD CERTIFICATIONS: ET, LT, MT, PT, RT & VT

PRESENTATION TOPICS:

- ◆ Helium Leak Testing the World's Largest Glove Box
- ◆ Digital and film Radiography at Kennedy Space Center

AV NEEDS:

Projector to show PowerPoint presentation, HDMI cable for laptop

WILL TRAVEL TO:

Regions 1, 7, 10 & 16

Mr. Krauss earned a Bachelor of Science degree in management from Roger Williams College in Bristol, RI and a Master of Business Administration degree from Bryant College in Smithfield, RI.

Mr. Krauss has served as a Senior NDE Engineer providing technical expertise to the U. S. Army engineering community. In that capacity, he supported Aviation Intermediate Maintenance (AVIM) units, developed Safety of Flight (SOF) and Aviation Safety Advisory Message (ASAM) inspection procedures. He also has provided NDT technical support and assistance to the NASA Kennedy Space Center for Space Shuttle program.

Early in his career, Mr. Krauss provided consulting, training and NDT services for customers with emphasis on in-service inspection leak testing and mass spectrometer leak detection of spent fuel storage casks at nuclear power plants.

Mr. Krauss started in NDT at General Dynamics Electric Boat Division as an NDT inspector.

Mr. Krauss has authored an ASNT Level II study guide for Visual Inspection and been named an ASNT Fellow in 2003.

Mr. Manuel Lucas

NDT Business Unit Director

SONOTEC

mlucas@sonotecusa.com

(631)882-4132

Islandia, NY

NDT METHOD CERTIFICATIONS: UT

PRESENTATION TOPICS:

- ◆ A New Generation of Air-coupled Ultrasonic Testing – Automatable, Contact-free, Effective

AV NEEDS:

Please contact Mr. Gonzalez- Núñez for details

WILL TRAVEL TO:

Regions 1, 2, 3, 9, 11 & 15

Mr. Lucas has six years of NDT industry experiences. His focus has been on advanced ultrasonic technologies and new technology development. He started as an international sales manager for SONOTEC Germany in 2012, and in 2017, he moved to SONOTEC US based in New York where he serves as NDT business unit director focused on developing the North American market for the company.

Mr. Guy Maes

Sales Engineer Director, UT
Zetec, Inc.

gmaes@zetec.com

(418)872-1155

Quebec, Canada

PRESENTATION TOPICS:

- ◆ Application of Advanced Focusing Techniques for Improved UT Inspection Capability
- ◆ Effective PA UT Inspection Techniques for Austenitic Welds

AV NEEDS:

Video Projector supporting PowerPoint presentations

WILL TRAVEL TO:

Regions 2, 5, 8, 10 & 12

Since January 2016, Mr. Maes has served as Sales Engineer Director, UT at Zetec, Inc. Previously, he served as Sales Director, Product Manager and UT Applications Manager at Zetec and R/D Tech.

Mr. Maes is an engineer and earned a master's degree in Applied Physics from Brussels University in Belgium. For the past thirty years, he has been involved in advanced UT method development and implementation, capability assessment, and software development. He also worked for more than 10 years for an NDE inspection vendor in Belgium, where his last assignment was the management and the on-site supervision of projects in automated and advanced NDE in both the nuclear and the conventional industry.

Mr. Gary Mathias

NDT-RAM Team Leader
The Modal Shop
ohiohusker@roadrunner.com
(513)413-4901
Maineville, OH

PRESENTATION TOPICS:

- ◆ Resonant Acoustic Method Delivers 100% Part Inspection
- ◆ NDT-RAM for Additive Manufactured Parts

AV NEEDS:

None

WILL TRAVEL TO:

Region 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14 & 15

Mr. Mathias has been involved in the NDT industry for more than 35 years. He earned an Associate in Applied Science Degree in Metals Technology from the Community College of the Air Force, earned a Bachelor of Arts in Business Management from Judson University in Elgin, Illinois and is currently pursuing his Master of Science degree in Aeronautics from Embry-Riddle Aeronautical University.

He received his initial NDT technical training as an enlisted Airman with the Nebraska Air National Guard and the United States Air Force (USAF) Nondestructive Inspection School at Chanute AFB, Illinois. Throughout Mr. Mathias' USAF career, he completed numerous advanced NDT training courses in composites, ultrasound and radiography. He was also a specialist in atomic absorption and emission spectroscopy of aircraft lubricants. Mr. Mathias is a Veteran and received the Nebraska National Guard Commendation Medal, the Air Force Achievement Medal and the Air Reserve Forces Meritorious Service Medal.

Since his retirement from the USAF in 1999, Mr. Mathias has held various roles in commercial NDT from manufacturing to product development and sales. He has worked for North Star Imaging, Parker Aerospace, Bell Helicopter, GE Inspection Technologies and Sciometric Instruments. While at GE, he led several technology transfers and commercial product development projects that included advanced computed tomography, pulsed eddy-current and robotics incorporating advanced phased array inspection of composite components. Mr. Mathias' roles have given him a broad depth of NDT knowledge in the aerospace, automotive, rail, power generation and oil & gas industries, as well knowledge and application of NDT in various processes used in those industries such as castings, forgings, additive and general machining operations.

Currently, Gary is the NDT-RAM Product Team Leader for The Modal Shop, an MTS Systems Corporation company. NDT-RAM is a resonant acoustic method per ASTM E2001-13 Standard Guide for Resonant Ultrasound Spectroscopy for Defect Detection in both metallic and non-metallic parts. Mr.

Mathias resides in the greater Cincinnati, Ohio area with his family and enjoys target shooting, travel and the occasional round of golf.

Dr. Norbert G. Meyendorf

Professor
University of Dayton
Nmeyendorf1@udayton.edu
(515)735-8430
Centerville, OH

PRESENTATION TOPICS:

- ◆ Next Generation NDT, NDT for Industry 4.0 and NDE for Everybody
- ◆ Early Detection of Materials Degradation, Still a Challenge for Conventional and Advanced Materials to be Applied for Lightweight Constructions

AV NEEDS:

None

WILL TRAVEL TO:

Regions 1, 2, 3, 4, 5, 6, 7, 11, 12, 13, 14 & 21

Norbert Meyendorf retired in 2018 from the Iowa State University as deputy director of the CNDE and from Fraunhofer Institute for Nondestructive Testing in Germany where he was branch director until 2013. Until summer 2018, he was the chair of the ASNT Iowa section.

He is adjunct faculty at the University of Dayton, the Iowa State University, and the University of Technology in Dresden (Germany). His expertise ranges from material science, image and data processing to NDE and SHM. He is editor in chief of the Journal of NDE and a Fellow of the International Society for Optics and Photonics (SPIE).

Mr. John P. Moran

NDT Level III

Retired

mugsymoran@aol.com

(860)367-7514

Norwich, CT

NDT METHOD CERTIFICATIONS: PT & RT

PRESENTATION TOPICS:

- ◆ Implementation of Computed Radiography in the workplace

AV NEEDS:

For PowerPoint presentation, will need either large TV with an HDMI input or a projector and a screen with an HDMI input

WILL TRAVEL TO:

Region 1

Mr. Moran has worked within the NDT field since April 1980, working in the U.S. Navy, the nuclear industry and the aerospace industry. He earned a Bachelor of General Studies and a Master of Science in organizational management from Eastern Connecticut State University in Willimantic, CT as well as a Master of Science in quality systems management from the National Graduate School of Quality Management in Falmouth, MA.

Dr. Yi-Cheng Peter Pan

Engineering Manager
Emerson Electric
Yi.pan@emerson.com
(847)274-2094
Rosemont, IL

PRESENTATION TOPICS:

- ◆ Industrial internet of things (IIOT) is Changing NDT Industry
- ◆ Automated Defect Classification Using Artificial Neural Networks

AV NEEDS:

None

WILL TRAVEL TO:

Regions 10, 11 & 12

Dr. Pan is an Engineering Manager of Lighting at Emerson Electric. Dr. Pan is responsible for leading global engineering teams who are developing smart LED lighting, intelligent sensor, measurement, and evaluation systems.

Dr. Pan has 17 years of professional experiences in sensor development, wireless communication, smart sensor network, and intelligent monitoring system. He also has more than 12 years of business and technology development experience, encompassing all aspects of strategic planning and relationship building.

Dr. Pan has extensive hands-on experience in strategy, product and portfolio management, pricing, product marketing, solution selling, business development, operations and R&D in several industries and global markets.

Dr. Pan has over fifty peer-reviewed journal publications and conference proceedings. Dr. Pan received an Associate of Science degree in aviation engineering technology from National Formosa University, Taiwan, R.O.C. and a Bachelor of Science degree in mechanical engineering from National Taiwan University of Science and Technology, Taiwan, R.O.C. In addition, he has earned a Master of Science degree in aeronautics engineering from National Cheng-Kung University Taiwan, R.O.C., an MBA degree and a Ph.D. degree in engineering science from Southern Illinois University in Carbondale, IL.

Dr. Ajay Pasupuleti

Vice President of Business and Technology Solutions

NanoArk Corporation

apasupuleti@nanoark.com

(585)503-6047

Morrisville, NC

PRESENTATION TOPICS:

- ◆ Lossless Analog to Digital Radiograph Conversion and Retrieval System: An Overview
- ◆ Film Archives Are the Modern Age Silver Mines - Learn How to Maximize Your Return

AV NEEDS:

Will show slide show/video. Need projector and screen. Laptop uses HDMI

WILL TRAVEL TO:

Region 1, 2, 3, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14 & 15

Dr. Pasupuleti currently focuses on the design and development of the Waferfiche™, a unique archival media that is based on the semiconductor fabrication technology. He earned a Bachelor of Engineering degree in electrical engineering from the University of Madras in Chennai, Tamil Nadu, India. He also earned a Master of Science degree in electrical engineering and a Ph.D. in microsystems engineering from the Rochester Institute of Technology in Rochester, NY.

Dr. Pasupuleti holds several patents and authored numerous peer-reviewed articles. He is a member of ASNT and ASTM.

Mr. Troy Peck

Shearography Sales and Applications Engineer

Dantec Dynamics

tmp@dantecdynamics.com

(201)696-6685

Brookhaven, GA

PRESENTATION TOPICS:

- ◆ Advancements in Laser Shearography

AV NEEDS:

Projector and screen. HDMI or VGA cables

WILL TRAVEL TO:

Regions 1, 2, 3, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14 & 15

Mr. Peck earned a bachelor of polymer and fiber engineering degree from Auburn University in Auburn, AL. Throughout his time at Auburn, Mr. Peck was an undergraduate research assistant in the Polymer Mechanics Research Lab, and he worked with GKN Aerospace on a senior design project.

Upon graduation from college, Mr. Peck began working as a Polymer Engineer at Applied Technical Services while serving in the Army National Guard. He went on to serve as a Regional Sales Manager at Jess W. Jackson and Associates where he received ASNT level II training in Ultrasonic Testing, Eddy Current Testing, Liquid Penetrant and Magnetic Particle Testing. Mr. Peck joined Dantec Dynamics in 2016 and serves as their Shearography Sales and Applications Engineer for North America

Mr. Jacob Rickter

Lab Manager
Pinnacle X-Ray Solutions
jrickter@pxsinc.com

PRESENTATION TOPICS:

- ◆ The Role of X-Ray and Computed Tomography for Additively Manufactured Parts

AV NEEDS:

Projector

WILL TRAVEL TO:

Regions 6, 7, 8, 9, 10, 12, 13, 14, 15, 16

Jake Rickter joined Pinnacle X-Ray Solutions in 2018. In 2019 he became the General Manager of a new formed company under PXS called Pinnacle Industrial X-Ray Laboratory. He has been leading one of the largest approved Digital Radiography (DR) and Computed Tomography (CT) scanning service facilities in the United States. He has spent the last year gaining industry approvals for the facility including, AQS (AS9100 equivalent), Nadcap, NIST800-171, ITAR, NAS410 and many major OEM approvals. He holds a Bachelor of Arts and Sciences degree from the University of Iowa and is qualified as a NDT RT Level II.

Ms. Katie Rittenhouse

Director of Marketing & Communications
Phoenix, LLC
Katie.rittenhouse@phoenixwi.com
(608)210-3060
Monona, WI

PRESENTATION TOPICS:

- ◆ Introduction to Neutron Imaging
- ◆ Advancements in Neutron Imaging

AV NEEDS:

None

WILL TRAVEL TO:

Regions 11, 12 & 13

Ms. Rittenhouse joined Phoenix in January 2017 to lead industrial business development and marketing efforts for Phoenix's commercial particle accelerators and neutron generators for use in applications such as neutron radiography, IED detection, radiation survivability testing, materials analysis, and nuclear materials calibration and detection.

Ms. Rittenhouse holds a BS in Physics from Hillsdale College, where she worked on deep space astrophotography techniques. Before her work at Phoenix, she worked in additive manufacturing, medical imaging, custom computing, and industrial preventative maintenance.

Ms. Rittenhouse's presentation titled Introduction to Neutron Imaging introduces neutron imaging, how it works, and how neutron imaging is used in various NDT applications and where the technique provides the most value.

Ms. Rittenhouse's presentation titled Advancements in Neutron Imaging reviews recent advancements in neutron imaging techniques and current development areas.

Mr. Matt Roberts

Virtual Media Integration
Director of Operations
matt@starrview.com
(850)432-0355
Pensacola, FL

PRESENTATION TOPICS:

- ◆ CR – Past, Present and Future

AV NEEDS:

Projector and screen

WILL TRAVEL TO:

Regions 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16 & 21

This is a technical talk about the development and use of Computed Radiography in industrial applications. It includes comparisons with historical and new RT technologies and applications as well as the process and business aspects for companies currently using RT.

Mr. Robert M. Ryan

Twining, Inc.
CEO and President
rryan@twininginc.com
(562)426-3355
Long Beach, CA

NDT METHOD CERTIFICATIONS: MT, PT & UT

PRESENTATION TOPICS:

- ◆ Is That Flaw Really There?
- ◆ A Reassessment of Amplitude Based Acceptance Criteria

AV NEEDS:

LCD projector, laser pointer, laptop computer for installation of flash drive.

WILL TRAVEL TO:

Regions 3 & 15

Mr. Ryan has been involved in NDT for more than 20 years having begun that path in California following the 1994, Northridge earthquake. His specializations involve nondestructive evaluation of welded connections in structures in the built environment, e.g., buildings and bridges.

Mr. Ryan is deeply concerned with the reliability of current training methods for UT Level II technicians and with the acceptance criteria in code documents such as AWS D1.1 and AWS D1.5.

Mr. Gunasekaran Sangili

Heavy Engineering Industries & Shipbuilding Co. (Heisco)

Unit Head, Quality Operations

sangili.gunasekaran@heisco.com

23253000, ext. 4421

Shuaiba, Kuwait

NDT METHOD CERTIFICATIONS: LT, MT, RT, UT & VT

PRESENTATION TOPICS:

- ◆ Hydrostatic Pressure Test Failures During Refinery Construction
- ◆ GRE/V Pipe Defects and Damages During Manufacturing and Installation Process at Refinery Construction

AV NEEDS:

None

WILL TRAVEL TO:

Region 19

Mr. Sangili has 25 years' experience in the Oil & Gas Construction Industries including experience with pressure vessels, oil storage tanks, process piping, pipeline and heavy structural fabrication. He has practical experience in AUT-TOFD/PA, MT, PT, UT, RT, LT and VT methods. He is a certified ASNT Level -III in the following methods LT, MT, RT, UT & VT, and an AWS - SCWI, API-510, API-653, API-570, NACE CIP, lead auditor - QMS ISO-9001/ISO 17025, etc. Mr. Sangili earned a Bachelor of Engineering in Mechanical Engineering.

Mr. Lennart Schulenburg

Global Director of Sales
VisiConsult X-Ray Solutions
l.schulenburg@visiconsult.de
4512902860
Stockelsdorf, Germany

PRESENTATION TOPICS:

- ◆ NDT 4.0: Automation, digitization and robotics
- ◆ Computed Tomography for inspection of AM parts

AV NEEDS:

Projector and screen

WILL TRAVEL TO:

Regions 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16 & 21

Mr. Schulenburg graduated in computational informatics from the Technical University of Hamburg in Hamburg, Germany in 2013, and worked for a couple of years developing digital image processing software for radiographic examination. Now, Mr. Schulenburg is global director of sales and general manager of VisiConsult Americas in Atlanta. He is a regular speaker at conferences for innovative subjects like industry 4.0, robotics and digitization.

Mr. James Scott

Business Segment Manger – IMI
SGS North America
James.scott@sgs.com
(281)979-0494
Kingwood, TX

PRESENTATION TOPICS:

- ◆ Corrosion under Insulation is not the Problem

AV NEEDS:

None

WILL TRAVEL TO:

Regions 10, 14 & 21

Mr. Scott is the business manager for mechanical integrity and NDT services for SGS in the United States. He is a Lavender- trained PAUT and TOFD inspector for HTHA and HIC damage mechanisms. For the last three years, he has researched and developed corrosion under insulation solutions.

Dr. Ripudaman (Ripi) Singh

Chief Coach, Innovation and Strategy

Inspiring Next

Ripi@inspiringnext.com

(860)816-4420

Cromwell, CT

PRESENTATION TOPICS:

- ◆ Are you ready for NDE 4.0?

AV NEEDS:

LCD projector and screen

WILL TRAVEL TO:

Region 1

Dr. Singh began his career in early 1990s as an Assistant Professor with fundamental research on Structural Integrity after a post doc from the Georgia Institute of Technology. Since moving to industry in late 1990s, he has enjoyed developing valuable technologies and approaches for aviation safety. He contributed actively to the NDE community through his research and formation of the ASNT committee on inspection reliability (POD).

With a MS in Business Strategy and a decade of leadership roles in Fortune 500 companies, Dr. Singh developed strong competency in driving change through innovation. He has contributed to over 25 defense and commercial entities in the USA, Europe and Asia. Now, he routinely serves as technology and business advisor to individuals, incubators, universities, corporations, and the State of Connecticut where he serves as a council member of the Connecticut Academy of Science and Engineering. Over the years, he extended traditional practices such as lean and 6-sigma to a much more versatile and powerful innovation and productivity framework.

Mr. Kevin Smith

Director – Nondestructive Evaluation
Pratt & Whitney
Kevin.d.smith@pw.utc.com
(860)578-7847
East Hartford, CT

PRESENTATION TOPICS:

- ◆ The Sioux City Incident - An Air Tragedy and the Role of Nondestructive Testing

AV NEEDS:

Requires internet access to show the video of the crash

WILL TRAVEL TO:

Regions 1, 7, 11 & 13

Mr. Smith is past Chairman of the Board of the American Society for Nondestructive Testing. Prior to this role, he served ASNT in a variety of roles including president, vice president, secretary/treasurer, council chair for the Technical & Education and Research Councils as well as a member of the Board of Directors.

Mr. Smith is also the Director – Nondestructive Evaluation at Pratt & Whitney leading a staff of engineers and technicians located in 3 locations in the United States who develop, validate and deploy nondestructive testing methods for aviation jet engines.

Mr. Flynn Spears

Strategic Sales

Laser Technology, Inc.

fspears@laserndt.com

(206) 947-5527

Seattle, WA

PRESENTATION TOPICS:

- ◆ Laser Shearography - An Out of Plane Experience
- ◆ Presentation on theory and applications of Laser Shearography (Aerospace, Marine, Wind)

AV NEEDS:

LCD projector and screen

WILL TRAVEL TO:

Regions 9, 10, 14, 15 & 16

Employed in Aerospace Business Development for Laser Technologies, Inc., Mr. Spears has been involved in sales, technical support and field inspections. He has spent a portion of his career in aerospace NDI serving as an inspection technician for the USAF and Boeing.

For much of his career, Mr. Spears worked for Zetec as a nuclear power steam generator inspector and data analyst and managed sales for Zetec's non-nuclear products. Flynn has also worked with Uniwest and GE for military sales and key account management. He's also an active and participating member of ASNT at both the local section -- the Pacific Northwest Section -- level and serves on various national committees.

Dr. Sergey A. Vinogradov

Southwest Research Institute
sergeyv158@hotmail.com
(210)464-3004
San Antonio, TX

PRESENTATION TOPICS:

- ◆ Magnetostrictive transducers for guided wave testing and structural health monitoring of pipes, tank walls, tank bottoms, steel ropes, buried anchor rods and heat exchanger tubing

AV NEEDS:

None

WILL TRAVEL TO:

Regions 10 & 15

Dr. Vinogradov is a staff engineer in the structural engineering department of Southwest Research Institute in San Antonio, TX. He earned a Ph.D. in mechanical engineering from the Moscow Engineering Physics Institute in Moscow, Russia.

Dr. Vinogradov has 27 years of NDE experience in the nuclear and petrochemical industries. For the last 17 years, he has been working on the development of Magnetostrictive Sensor Technology (MsS) for the application of long-range guided wave testing and structural health monitoring of pipes, plates, steel ropes and heat exchangers.

Dr. Vinogradov has authored 27 patents (7 in the USA) and 66 conference and journal papers/presentations on the topics of guided wave testing and other NDE methods. He is also the inventor of a high-powered magnetostrictive transducer (MST) utilizing a reversed Wiedemann effect. The transducer was awarded a certificate of an innovation contest winner at the 10th European Conference on NDT in 2010 in Moscow.

He holds PCN Level III certification in long range inspection using guided waves and is actively involved in the process of guided wave training conducted worldwide.

Mr. Gary J. White

Quality Manager
Orbit Industries, Inc.
gwhite@orbitndt.com
(440)243-3311
Brook Park, OH

NDT METHOD CERTIFICATIONS: UT

PRESENTATION TOPICS:

- ◆ Current Nadcap Activities

AV NEEDS:

Projector and screen or a TV with a VGA or HDMI connector

WILL TRAVEL TO:

Region 11

Mr. White has been in the Nondestructive Testing business for more than 37 years. He is currently the Quality Manager for Orbit Industries. Mr. White has been a supplier voting member in the NDT Task Group for Nadcap since 2004. He is also the Supplier Support Committee Representative to the NDT Task Group. Mr. White serves on the Leadership Team for the Supplier Support Committee and is the Sub Team Lead for the Task Group Representatives. In 2014, The NDT Task Group nominated Gary to serve on the Nadcap Management Council as a Supplier Voting Member for the NDT Task Group.

Mr. Maxwell Yossif

NDT Level III Principal
Energy Steel, A Graham Company, Exclusively Nuclear
inspectors111@hotmail.com
(346)932-6034
Davison, MI

NDT METHOD CERTIFICATIONS: MT, PT, RT, UT & VT

PRESENTATION TOPICS:

- ◆ NDT (VT) in ASME Code Sections: Section III and Non-Section III

AV NEEDS:

Projector and screen for PowerPoint presentation

WILL TRAVEL TO:

Regions 10 & 11

Mr. Yossif has spent thirty-three years working in the NDT field including to 30 years in oil and gas and shipbuilding industries. He has spent the last three years working in the nuclear field applying ASME code and other codes such as AWS D1.1, ASTM and API.