

# YEARBOOK

for

REGION 16 of the AMERICAN SOCIETY FOR NONDESTRUCTIVE TESTING



**For the 2020-2021 Program Year**

**Serving ALASKA, COLUMBIA RIVER, LEWIS & CLARK, PACIFIC NORTHWEST sections.**

**50**  
**YEARS**  
1965 - 2015

# Western Instruments

Established 1965

## Portable MPI Equipment

**8 Models of  
AC Yokes**



**4 Models of  
AC/HWDC Coils**

**4 Models of  
AC Coils**

**5 Models of  
FWDC Coils**



**Cordless and 12VDC Yokes**



**AC/DC Yokes**



**3 Models of  
Permanent  
Magnet Yokes**

Phone: 780-459-6720

info@westerninstruments.com | www.westerninstruments.com



## TABLE OF CONTENTS

<a href="#">Front Cover page</a>	
<a href="#">ASNT Membership Link (Individual and Company)</a>	4
<a href="#">Dedication</a>	5
<a href="#">Section Location</a> s	5
<a href="#">NDT Learning</a>	6
<a href="#">ASNT Code of Ethics for Members</a>	7
<a href="#">Pacific Northwest Incoming Chairperson's Message</a>	9
<a href="#">Yearbook Advertising Rates</a>	10
<a href="#">Local Companies represented in Region 16</a>	12-13
<a href="#">Pacific Northwest Member Roster</a>	15-17
<a href="#">Region 16 President's Award Recipients</a>	18
<a href="#">Group Membership Tiers 1 though 4 Member Companies</a>	19
<a href="#">Pacific Northwest Section Scholarship Awards</a>	20
<a href="#">International Service Center Officers and Directors</a>	21
<a href="#">Pacific Northwest Program and Events Schedule</a>	22
<a href="#">Pacific Northwest Past Chairpersons</a>	23-24
<a href="#">Pacific Northwest ASNT Fellows</a>	25
<a href="#">Pacific Northwest section Board of Directors</a>	27
<a href="#">Region 16 Director</a>	27
<a href="#">Pacific Northwest section Executive Committee</a>	32
<a href="#">Pacific Northwest Section meeting summaries</a>	33-41
<a href="#">Pacific Northwest Radiation Safety Refresher Seminar</a>	43
<a href="#">ASNT Sections: 2020-2021 in Review</a>	44
<a href="#">Mistras NDT Training Institute</a>	45
<a href="#">About ASNT</a>	50
<a href="#">ASNT Mission Statement and Strategic Objectives</a>	51
<a href="#">Why Join ASNT</a>	52
<a href="#">Region 16 Award Winners</a>	54-55
<a href="#">Benefits of Joining ASNT</a>	56
<a href="#">Future ASNT Events</a>	56
<a href="#">Definition of NDT</a>	57
<a href="#">Index of Advertisers</a>	58

**Click on photo/advertisement /underlined text for hyperlink to Internet web page for that vendor/topic/etc. if your web browser supports hyperlinks.**



### ***Dedication***

This year the Region 16 2021-2021 Yearbook is dedicated to you the members, vendors, and practitioners of NDE in our ever growing and expanding region. It is not lost on us that we have come through one of the most challenging times both personally, professionally, and economically in some time. The NDT industry also suffered difficult times depending on the market segment you may have been involved in. But we have seen these industries pick up and our sections' hope that this is the same for each of you.

Some changes have also taken place with each of the Region 16 supporting sections. This yearbook is provided to all of you in the hopes that you will use it and share with your colleagues the information inside. We are a strong region and with your continued support and active membership hope to continue to be a valuable resource for your NDT guidance and needs.

Best Regards,



**CEO/Sales Director**  
260 SW 43<sup>rd</sup> Street  
Renton, WA 98057



(425) 251-1986



(425) 251-4319



(206) 947-5527



[flynn@albannde.com](mailto:flynn@albannde.com)



[www.albannde.com](http://www.albannde.com)

### **SUBMIT A COVER DESIGN**

All members of Region 16 are invited to submit a cover design for future yearbooks. A 5.5" x 8.5" format of MSWord or MS publisher 2016 is preferred although all formats will be accepted.

A regional yearbook cover will preferably have an image or images representing each section (Alaska, Columbia River, Lewis & Clark, and Pacific Northwest sections) or region.

[Membership - Individual and Group Applications Join//Renew](#) Link



## **REGION 16** of the AMERICAN SOCIETY FOR NONDESTRUCTIVE TESTING ALASKA, COLUMBIA RIVER, LEWIS & CLARK, PACIFIC NORTHWEST SECTIONS

---

Region 16 is served by the following sections:

Alaska section serving Alaska.

Columbia River section serving Eastern Washington.

Lewis & Clark section serving Oregon from Portland.

Pacific Northwest section serves Western Washington.

Other ASNT members delegated to these sections are scattered throughout North America.

### **Section locations in ASNT Region 16**





## Nondestructive Testing Programs at local institutes of higher learning

Nondestructive testing is a valuable process used in fields such as construction, manufacturing, civil engineering and transportation because it does not impair the usefulness of the object being inspected. Nondestructive testing techniques are used to examine structures or vehicles such as bridges, dams, pipelines, aircraft, trains and nuclear reactors. NDT programs provide training in a variety of these analysis techniques used to evaluate the properties of a material or structure without causing damage. Technical training in blueprint reading, codes and specifications, composite fabrication, assembly and repair, materials, and the manufacturing processes is enhanced with hands-on training. Training also includes major methods of NDT, including Visual and optical, Magnetic particle, Liquid penetrant, Radiographic, Ultrasonic, and Eddy current Testing, along with an overview of emerging and other methods. It is an extremely unique career path with potential to provide long-term employment, as well as personal and creative satisfaction in the knowledge that the work helps save lives and make things safer for use.



## **Code of Ethics for Members of the American Society for Nondestructive Testing**

In spirit and in word, this Code of Ethics shall guide the actions of the members of The American Society for Nondestructive Testing. It is the duty of all members to conduct themselves in accordance with the following precepts:

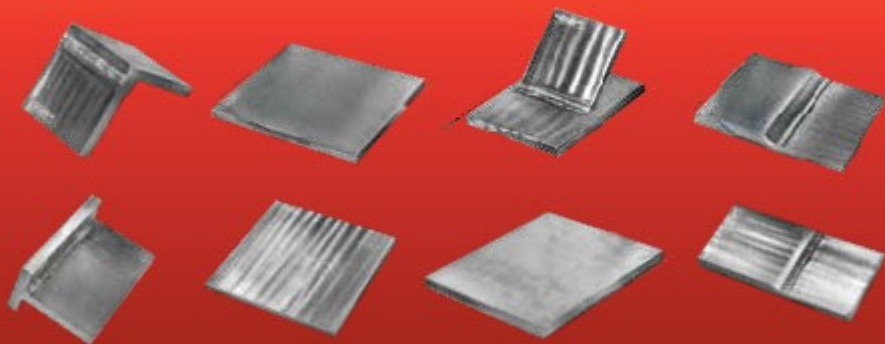
1. To uphold at all times the reputation of the Society and the dignity of membership therein.
2. To pursue their professional discipline and activities in a spirit of fairness to all concerned— employer, employees, customers and competitors— consistent with the high ideals of personal honor and integrity.
3. To refrain from associating themselves with any enterprise that would use their name or that of the Society in any manner countenancing misrepresentation.
4. To avoid damage directly or indirectly to the professional reputation, prospects or business of another member of the Society.
5. To advertise only in a professional manner; to avoid using improper or questionable methods of soliciting professional work, and to decline any connection with improper patronage.
6. To inform clients or employers of any business affiliations, interests or connections which might influence their fair judgment.
7. To treat as confidential their knowledge of any business affairs or technical information of employers, clients or customers, and to make no disclosure of such information without their express consent.
8. To accept financial or other compensation for a particular service from one source only, except with the full knowledge and consent of all interested parties.
9. To perform their work in the highest professional manner, protecting the life, safety and health of their associates and of the general public.
10. To contribute to the advancement of nondestructive testing by the interchange of information and experience with others, taking full advantage of the mediums provided by the Society-symposia, conventions and the press.
11. To encourage and provide opportunity for professional development and advancement of their employees or those under their supervision.
12. To consider their membership in the Society as affording a distinct opportunity to apply their special talents for the service of mankind.
13. To refrain from any statements or acts which constitute hostile or offensive behavior and any forms of intimidation or harassment of any kind by and between members of ASNT whether sexual, racial, ethnic or religious in origin.





# The Bridge Kit.

A FIRST for the Bridge Industry in UT / PAUT Training & Testing.



AWS D1.5 Figure 2.4 Welded Joint Details



[www.FlawTech.com](http://www.FlawTech.com)  
(704) 795 4401





# **PACIFIC NORTHWEST SECTION MESSAGE**

Dear PNW Section of ASNT Members

This letter is coming to you from your board as we are excited to get going with a new year of section activity. We reached out to all of you a few months back for your input to the open board and officer positions and appreciate your feedback and your vote for the new positions.

This year we are looking forward to getting back to holding live meetings when and where we can along with introducing a “hybrid” approach. We will hold combined live and virtual meetings for those who cannot make it, and will continue to adhere to the social distancing protocols for gatherings and meetings. Be on the look out for when these will take place as we are also looking to hold some meetings in areas where we have not historically done so such as Bremerton for our colleagues at the shipyard and up north in Marysville and Bellingham for our refinery inspection brothers and sisters.

We are introducing at the November 2021 meeting a monthly raffle for a 1-year ASNT membership. You must be present at the meeting (in person or virtual) to win. We will also be raffling off a 3-year membership at the end of the year drawing from a list of attendees throughout the year. (Must also be present to win).

We realize your time is important to you and we are planning to introduce some hopefully exciting new programs for your involvement. Also, as you look at this year’s meeting schedule, please do not hesitate to contact any one of your board members with suggestions or ideas you would like for us to consider and incorporate as we go along. Remember this is your section and we are here to help all of us continue to remain informed and up to speed on what ASNT is all about.

This has been a very interesting year for all of us and we are looking forward to engaging with you all so continue to work and stay safe in your testing and management careers.

Best regards,

Your Pacific Northwest Section Board of Directors





## REGION 16 of the AMERICAN SOCIETY FOR NONDESTRUCTIVE TESTING

ALASKA, COLUMBIA RIVER, LEWIS & CLARK, PACIFIC NORTHWEST SECTIONS

Category	Description	Size	Fee
A	Business Card	3 3/8" w x 2 1/8" h	\$75.00
B	1/2 Page	5.5" w x 4.25" h	\$90.00
C	Full Page	5.5" w x 8.5" h	\$250.00
D	2 page spread or two pages back to back (other than two center pages)	11" w x 8.5" h	\$300.00
E	Inside Front Cover	5.5" w x 8.5" h	\$275.00
F	Inside Back Cover	5.5" w x 8.5" h	\$275.00
G	Outside Back Cover	5.5" w x 8.5" h	\$280.00
H	Center Spread	11" w x 8.5" h	\$380.00

For placement of \_\_\_\_ each category \_\_\_\_ and quantity of advertisement(s) indicated above we enclose payment of \_\_\_\_\_. We further understand that placement of categories A., B., C., and D. is arbitrary and at the discretion of the yearbook committee. (Unless noted otherwise one (1) add will be placed per above payment option). Formats accepted: jpg, gif, png, tiff, gif, pdf, MSWord, bmp.

## Your Ad for next year starts here!

Company Name			
Street Address			
Billing Address (if different than street)			
City			
State	Zip		
Phone Number	Fax No		
Contact Individual & email			
Payment Form	P.O. No.	Check No.	

If you would like to advertise in the Region16 yearbook please contact [emery100@msn.com](mailto:emery100@msn.com) or [yearbook@asntpnws.com](mailto:yearbook@asntpnws.com)





## GOLF TOURNAMENT

Due to corona virus restrictions on large gatherings this year the annual Pacific Northwest Section of ASNT Golf Tournament was not held this year.

*Hope to see you next year at a Golf Tournament.*

**The Pacific Northwest Section was awarded the Gold President's Point Award for 11th consecutive year and the Section Seal of Excellence in each of its 5 year existence! Visit your section's website at <http://www.asntpnws.com/awards> to see some of the awards earned by the section and its members.**

The Seal of Excellence is awarded to sections who achieve specific levels of points within the President's Award Program during ASNT's program year which runs from July 1 – June 30th. Sections who are awarded the Seal can use it after the program year in which the seal has been awarded.



5th Year Issued



4th Year Issued



3rd Year Issued



2nd Year Issued



1st Year Issued



**REGION 16** of the AMERICAN SOCIETY FOR NONDESTRUCTIVE TESTING  
ALASKA, COLUMBIA RIVER, LEWIS & CLARK, PACIFIC NORTHWEST SECTIONS

*Thank you to all companies listed and those not who support ASNT members in attending local section events & meetings to further their professional development & knowledge of NDT.*

## Companies with members in Region 16

5 Star Testing, Inc.	Ogema Engineering
ABW Technologies	Canron Portland
Academy of Infrared Training Inc.	Carestream Health
ACS Testing	Carlson Testing
Acuren Group Inc.	Cascade Thermal Imaging Inc
Adaptive Energy	Catepillar
ADN	Certags
Aero Controls	Certified Inspection Services
Aerofab Aero Controls Inc.	Chemetall Aerospace Technologies
Aerojet-Rocketdyne	<b>CIMETRIX Ltd</b>
Air National Guard, Oregon	<i>Clover Park Technical College</i>
Alaska Technical	<b>Coast to Coast USA NDE Services</b>
Alyeska Pipeline Service Company	Columbia Helicopter
<b>American Marine Corporation</b>	<b>Delphi Precision Imaging</b>
Applied Aero Systems	Det Norske Veritas DNV GL USA
Applus RTD USA	Divers Institute of Technology
Areva NP	<b>Echo Ultrasonics</b>
ASRC Energy Services	EDCO
AT&T	Energy Northwest
ATI Allvac	EVRAZ Inc. North America
ATI Pacific Cast Technologies	Fluke Corporation
ATI Wah Chang	frontier
Atlas Inspection Technologies Inc.	General Dynamics
Aviation Partners Boeing	Global Diving & Salvage
Bechtel	GMS Metals Work
Bellingham Technical College	Goodall Infrared Services, Inc.
Blue Origin	Hexcel
BP Global	Hilcorp Energy
Bradken-Atlas	HiLine Engineering & Fabrication Inc
<b>Bruker</b>	Hi-Rel Laboratories



**REGION 16** of the AMERICAN SOCIETY FOR NONDESTRUCTIVE TESTING  
ALASKA, COLUMBIA RIVER, LEWIS & CLARK, PACIFIC NORTHWEST SECTIONS

*Thank you to all companies listed and those not who support ASNT members in attending local section events & meetings to further their professional development & knowledge of NDT.*

## Companies with members in Region 16

HR Labs	Professional Service Industries, Inc.
Hune Engineering & Fabrication Inc.	Project + Quality Solutions
Hytek Finishes	Protective Coatings Inc.
<b>Industrial Testing Inc.</b>	QED Systems Inc.
Inspection Technologies Inc.	Quality-One Inspection Company, LLC
<b>International Inspection Inc.</b>	Qualtest Consultants
Janicki Industries	Quest Integrated
Kaiser Aluminum Corporation	Quest Integrity Group LLC
<b>Kakivik Asset Management LLC</b>	<b>Rohmann Eddy Current Instruments &amp; Systems</b>
Laser NDT	Rudarmel Enterprises, Inc.
Laser Techniques Co.	Sandvik
<b>Laser Technology Inc.</b>	Selway Corporation
Machinists Inc.	Space X
MAPSCO Inc.	SubSea NDT
Mayes Testing Engineers Inc.	Systems
MCS Environmental, Inc.	T-Bailey Inc.
Mistras Group, Inc.	<b>Team Industrial Services</b>
<b>MPM Products</b>	<b>Techna NDT</b>
NATEC	<b>Test Equipment Distributors, LLC</b>
<b>NDE Professionals, Inc.</b>	The Boeing Company
New Gate Technologies	Tube Forgings of America Inc.
<b>Northwest Inspection</b>	U.S. Navy
Northwest Pipe Company	Umbra Group
Northwest Propeller Service Inc.	<b>University of Alaska - Anchorage</b>
Oregon Washington Laboratories LLC	University of Washington
Otto Rosenau and Associates	<b>UniWest</b>
Pacific Cast Technologies	<i>Verasonics Inc</i>
Pacific Northwest National Laboratory	VGO Testing & Inspection Engineers
<b>PACSESS North America</b>	Western Pneumatic Tube
PCC Structurals	WJE
PM Testing Laboratory Inc.	<b>X-Ray Industries</b>
Portland Community College	X-R-I Testing
Portland General Electric	<b>Zetec Incorporated</b>
Valence Surface Technologies, LLC.	Zodiac Aerospace



***Complete Ultrasonic Systems Integration  
For Your High-Performance Materials***

**System Design, Fabrication, Installation,  
Start-up, Testing, Commissioning**

**Conventional and phased array inspection**

**C-scan and full waveform compatible**

**Multi-axis immersion tanks and gantries**

**New construction and system upgrades**



**Matec Instrument Companies, Inc.**  
T: 508.393.0155 | [sales@matec.com](mailto:sales@matec.com) | [matec.com](http://matec.com)





## PACIFIC NORTHWEST Section Members

Mr	Chaz		Aranita	Mr	Barry		Delong
Mr	Brian		Armstrong	Mr	Jeff	J	Demet
Mr	Michael	J	Ashton	Mr	Clyde	J	Denton
Mr	William	J	Beard	Mr	Christian	L	Dobbie
Mr	Jonathan	William	Bell	Mrs	Stacy		Douthitt
Mr	Greg		Berntsen	Mr	Edgar		Estrella
Ms	Jill	P	Bingham	Mr	Kenneth	Y	Felt Jr
Mr	Christopher	Allin	Black	Mrs	Kathy	L	Ferguson
Mr	Daniel		Bone	Mr	Barry	A	Fetzer
Mr	David		Bone		Brian		Fix
Dr	Richard	H	Bossi	Mr	Michael	D	Fogarty
Mr	Michael	D	Boyles	Mr	Robert	J	Foley
Mr	Jeremy	Ryan	Bradbury	Mr	Christopher		Fowler
Dr	Steven	K	Brady	Mr	Cory		Fox
Mr	John		Brewer	Dr	Christina		Fraij
Mrs	Katherine		Brux	Mr	Nicholas	J	Fraleay
Mr	Kevin	S	Buck	Dr	Gary	E	Georgeson
Mr	David		Buckley	Mr	Robert	D	Gessel
Mr	Samuel	C	Bullard	Mr	William	R	Glass
Mr	Timothy	L	Burkholder	Mr	Robert	A	Glesener
Mr	David	W	Campbell	Ms	Allison		Gober
Mr	Michael	P	Campbell	Mr	Gabe		Gonzalez
Mr	Art	C	Carbajal	Mr	David		Good
Mr	Nicholas		Cardillo	Mr	Adam		Goodman
Mr	Shane	A	Carlson	Dr	Trey		Gordon
Dr	Blake	C	Chenevert	Mr	Jacob		Gould
Mr	William		Clayton	Mr	Navpreet	S	Grewal
Dr	David		Colameco	Mr	George	H	Griffith
Mr	Charles		Colyar	Mr	Peter	Michel	Griffith
Mr	Jon		Daigle	Mr	Paul	S	Guidry
Ms	Megan		Davey	Mr	Joseph	A	Hageman
Mr	Leslie	R	Davies	Mr	Joseph		Hallett
Mr	Thomas	J	Davis	Mr	Joseph	B	Halupnik
Mr	Louis	M	De La Pintiere	Mr	Barbara		Hansen
Mr	Josh		de Monbrun	Mr	Neil		Hansen





## PACIFIC NORTHWEST Section Members

Mr James	J	Hemenway	Mr Duncan	McClure	
Mr Jason	F	Hence	Mr Terrace	G McClure	Jr
Mr Brian	W	Hill	Mr William	D Meade	
Mr Steven	R	Hill	Mr Michael	L Melyan	
Mr Tyler		Holmes	Mr Leroy	R Miller	
Mr Scott		Hower	Dr Ali	Minachi	
Mr Wanwu		Huang	Mr Gerald	C Mitchell	
Dr Jeong-Beom		Ihn	Mr Erik	C Moll	
Ms Martha		Jacob	Mr Bruce	A Monsrud	
Mr Jason	P	Jarrett	Mr Kane	M Mordaunt	
Mr Peter		Kaczkowski PhD	Ryan	Murphy	
Mr Theo		Kahle	Mr Charles	W Musson	
Mr Edward	J	Kang	Mr Jerryl	S Nast	
Mr Jim	R	Kay	Mr Andy	Neff	
Mr John	R	Knapp	Mr Michael	J Olaughlin	
Mr Bede		Kortegast	Mr Adis	Ozegovic	
Dr Wade		Lanning	Mr Steve	G Pacheco	
Ms Marian		Larson	Mr Jerry	Park	
Ms Rachel		Larson	Mr Jobi	Paul	
Mrs Diane	I	Lawson	Mr James	D Peeler	
Mr Randy	Van	Layton	Mr James	S Pellicer	
Michael		Leach	Mr Timothy	J Peraza	
Mr Nathan	G	Leavitt	Mr John	Phillips	
Mr Graham	C	Lee	Mr Jake	Pitingoro	
Mr Sinan		Li	Mr Rhys	L Prinzing	
Mr Ronald		Lind	Mr Rick	L Reese	
Mr John	R	Linn	Mr Emery	E Roberts	
Mr Jeffrey	N	Lowe	Ms Adrienne	Rosenthal	
Mr Thomas		Maeder	Mr Isaac	J Ruoff	
Mr Christian		Magana	Mr Nathaniel	Sacksteder	
Mr Lance		Maggy	Ms Cheryl	L Sauvaine	
Mr Kevin	J	Mandt	Mr James	J Sieger	Jr
Mr Chris		Maraschky	Mr Gidon	Skop	
Mr Michael	J	Mayes	Mr Andrew	A Smith	
Mr Justin		McCartney	Mr Romeo	Solis	



## **PACIFIC NORTHWEST Section Members**

Mr Flynn		Spears
Dr Alan	F	Stewart
Mr Troy		Stokes
Mr Michael	D	Stuart
Ms Laura	Irene Nicole	Suddath
Ms Kate	B	Summers
Ms Hong	H	Tat
Ms Michelle		Taylor
Mr Travis		Taylor
Mr Brian		Thomas
Mr Zane	Duddley	Thompson
Mr Dylan	E	Thorp
Mr Scott		Tromba
Mr Mike		Vega
Mr Michael		Virgilio
Mr Ron	E	VonWahlde
Mr William	H	Wahmuth
Mr Timothy	J	Walter
Mr Tyler	K	Watada
Mr Wayne	R	Weisner
Mr Jason		Whiting
Mr Dave		Whitley
Mr John	Q	Williams
Mr William	J	Wiltsey
Mr Robert	E	Winn
Mr Brian	A	Wright
Athalia		Yapan
Mr Tyler	J	Young
Mr William		Ziegenhagen
Mr Brandon		Zinn



## **REGION 16**

### **PAST & PRESENT PRESIDENT'S AWARD RECIPIENTS**

2021 Gold: Pacific Northwest section

2020 Gold: Pacific Northwest section

2020 Bronze: Lewis & Clark section

2019 Gold: Pacific Northwest section

2019 Silver: Lewis & Clark section

2018 Gold: Pacific Northwest section

2018 Bronze: Lewis & Clark section

2017 Gold: Pacific Northwest section

2017 Bronze: Alaska section

2017 Bronze: Columbia River section

2017 Bronze: Lewis & Clark section

2016 Gold: Pacific Northwest section

2015 Gold: Pacific Northwest section

2014 Gold: Pacific Northwest section

2013 Gold: Pacific Northwest section

2013 Bronze: Lewis & Clark section

2012 Gold: Pacific Northwest section

2011 Gold: Pacific Northwest section

## **OLYMPUS**

### **Phoebe Tsellos**

Technical Sales Representative  
Handheld XRF and  
Remote Visual Inspection

Toll Free: (800) 225-8330  
Mobile: (206) 200-2780  
[phoebe.tsellos@olympus.com](mailto:phoebe.tsellos@olympus.com)

### **Sean Killeen**

Outside Technical  
Sales Representative  
NDT Products

Toll Free: (800) 225-8330  
Mobile: (206) 200-6089  
[sean.killeen@olympus.com](mailto:sean.killeen@olympus.com)

Scientific Solutions Group

**OLYMPUS CORPORATION OF THE AMERICAS**

48 Woerd Avenue, Waltham, MA 02453  
[www.olympus-ims.com](http://www.olympus-ims.com)



## FIRMS WITHIN REGION 16 with GROUP MEMBERSHIP

Group Membership Tier members	City, State
<b>Affiliated with the ALASKA Section</b>	
<a href="#">American Marine Corporation</a>	ANCHORAGE, AK
<a href="#">Kakivik Asset Management LLC</a>	ANCHORAGE, AK
<b>Affiliated with the COLUMBIA RIVER Section</b>	
<a href="#">Bruker</a>	KENNWICK, WA
<b>Affiliated with the LEWIS AND CLARK Section</b>	
<a href="#">NDE Professionals Inc.</a>	PORTLAND, OR
<b>Affiliated with the PACIFIC NORTHWEST Section</b>	
<a href="#">CIMETRIX Ltd</a>	SEATTLE, WA
<a href="#">Delphi Precision Imaging</a>	REDMOND, WA
<a href="#">INTERNATIONAL INSPECTION</a>	SEATTLE, WA
<a href="#">MPM Products</a>	TUALITIN, OR
<a href="#">VERASONICS INC.</a>	KIRKLAND, WA
<a href="#">Zetec Inc</a>	SNOQUALMIE, WA
<b>The sections of Region 16 wish to thank all companies with NDT Professional Group Memberships for their continued support.</b>	

### Group Membership Application Tier 1

- includes membership for 2-5 employees \$350 USD annual dues

### Group Membership Application Tier 2

- includes membership for 6-10 employees \$700 USD annual dues

### Group Membership Application Tier 3

- includes membership for 11-20 employees \$1,400 USD annual dues

### Group Membership Application Tier 4

- includes membership for more than 20 employees – \$ negotiated

**Call ASNT Customer Service at 1-800-222-2768 to apply for**

**Group Membership**

[https://asnt.org/MajorSiteSections/Membership/Join\\_Renew.aspx](https://asnt.org/MajorSiteSections/Membership/Join_Renew.aspx)



## Pacific Northwest Section

# David Hall Scholarship Award

Scholarships are awarded to students to start or further their NDT career who submit applications in accordance with guidelines established by the Scholarship committee.

### **Past Recipients**

2021 No applicants met scholarship published criteria.  
2020 Adrienne Rosenthal of Clover Park Technical College  
2020 Tyler Young of Clover Park Technical College  
2019 No Submittals  
2018 Christina Beebe of Clover Park Technical College  
2018 Ryan Parrott of Clover Park Technical College  
2017 Matthew Davis of Clover Park Technical College  
2017 Deena Kasperson of Clover Park Technical College  
2016 Davis Tran of University of Washington  
2016 Matthew Davis of Clover Park Technical College  
2015 Lakai Fairbanks of Clover Park Technical College  
2014 Scott Marczynski of Clover Park Technical College  
2013 Chuck Hegsted of Clover Park Technical College  
2012 Randall Frankenbery of Clover Park Technical College



## ASNT BOARD OF DIRECTORS—2021-2022

*On April 24, 2021 the ASNT Board of Directors voted to implement the revised Bylaws by extending the following terms of office as indicated:*

### Terms expiring on June 30, 2022

Michael V. McGloin ----- Chairperson of the Board  
John T. Iman ----- President  
Danny L. Keck ----- Vice President  
John Z. Chen ----- Secretary / Treasurer  
Scott Cargill ----- Immediate Past Chairperson  
Sebastian Z. Fernandes ----- Director At Large  
Ahmed Arabi Hassen ----- Engineering Council Director  
John J. Kinsey ----- Director At Large  
David H. Mitchell, Sr. ----- Director At Large

### Terms expiring on June 30, 2023

Marwan Basrawi ----- Director At Large  
Tsuchin (Philip) Chu ----- Director At Large  
James (Gerry) Churchwell ----- Director At Large  
Lawrence Gill, Sr. ----- Technical and Education Council, Director  
Anish Poudel ----- Research Council, Director

### Terms expiring on June 30, 2024

Roger Engelbart ----- Director At Large  
Cindy Finley ----- Director At Large  
Clyde May ----- Director At Large  
Ricky Morgan. ----- Section Operations Council, Director  
Tim Roach ----- Certification Management Council, Director

**Executive Director** ----- Neal J. Couture, CAE



**REGION 16** of the AMERICAN SOCIETY FOR NONDESTRUCTIVE TESTING  
ALASKA, COLUMBIA RIVER, LEWIS & CLARK, PACIFIC NORTHWEST SECTIONS

DATE	TIME	TOPIC	SPEAKER	LOCATION
Sept 14, 2021	<b>BOD Meeting.</b> 5:30 pm Presentation 6:30 pm <b>Networking</b> 7:10 pm-7:30 p	New Computed Tomography and Digital Radiography Standards in ASTM E07.01 Sub-Committee	Dr. Trey Gordon of SpaceX	Virtual
Oct. 12, 2021		Qualification / Certification Programs	James Sieger of Valence Surface Technologies Inc.	Virtual
Nov 09, 2021		What I Learned Working for a Penetrant Manufacturer	Peter Pelayo of Met-I-Chek (McGean)	Virtual
Dec 14, 2021		Advanced UT in the Aerospace Industry	Alan Caulder of AOS (Advanced OEM Solutions )	Virtual
Jan. 11, 2022		Aerospace Critical to NDT/Quality	Noah Fredette of Comet USA	Virtual
Feb. 08, 2022	<b>Please refer to asntpnws.com</b>  <b>/meetings for updates to March and May speaker and topic.</b>	Laser Shearography	Flynn Spears of Alban NDE	Virtual
Mar 08, 2022		Magnetic Particle	TBD	Virtual
Apr 12, 2022		Aerospace Critical to Quality Nominations for 2022 -2023 Officers/ BOD	Matt Gormley of PXS Inc. (Pinnacle X-Ray Solutions)	Virtual
May 10, 2022		Computed Radiography CR/DR Elections for 2022 -2023 Officers/BOD	TBD	Virtual

## PACIFIC NORTHWEST 2021-22 PROGRAM





## PACIFIC NORTHWEST PAST CHAIRPERSONS

Chairperson	Service Year	Section Year
Vacant - you? inquire of BOD member	2021-2022	64
Kathy Ferguson	2020-2021	63
Chris Maraschky	2019-2020	62
Kathy Ferguson	2018-2019	61
Kathy Ferguson	2017-2018	60
Flynn Spears	2016-2017	59
Jeff Siegel	2015-2016	58
Jeff Siegel	2014-2015	57
Jeff Siegel	2013-2014	56
Tim Burkholder	2012-2013	55
Tim Burkholder	2011-2012	54
Bill Wahmuth	2010-2011	53
Bill Wahmuth	2009-2010	52
Tom Davis	2008-2009	51
Matt Mead	2007-2008	50
Bob Swisher	2006-2007	49
Bill Meade	2005-2006	48
Bill Meade *	2005	48
Dave Hall *	2004	47
Ward Fong *	2003-2004	47
Clive Graham	2002-2003	46
Dennis Heinz	2001-2002	45
Lynn Kaskin	2000-2001	44
Randy Chambers	1999-2000	43
Gary Zimmerman	1998-1999	42
Fred Schuneman	1997-1998	41
Emery E. Roberts	1996-1997	40
Troy Woller	1995-1996	39
Drew Zimmerman	1994-1995	38
Jean Kitson	1993-1994	37
Mark Morris	1992-1993	36
Richard Gallagher	1991-1992	35
* did not serve entire term		



## PACIFIC NORTHWEST PAST CHAIRPERSONS

Chairperson	Service Year	Section Year
Harry Huff	1990-1991	34
Lloyd Lamb	1989-1990	33
Patti Crider Mason	1988-1989	32
Steve LaRiviere	1987-1988	31
John DeBoo	1986-1987	30
Pat Murphie	1985-1986	29
Joy Odell	1984-1985	28
Arvin Morrow	1983-1984	27
Flynn Spears	1982-1983	26
Tap Tapia	1981-1982	25
Rich McGuire	1980-1981	24
Dennis Evans	1979-1980	23
Roy Odell	1978-1979	22
Larry Moore	1977-1978	21
Jim Waddilove	1976-1977	20
Clinton Schneer	1975-1976	19
Bill Weed	1974-1975	18
Murray Weiss	1973-1974	17
Sam Takashima	1972-1973	16
Ken Anderson	1971-1972	15
Gary Will	1970-1971	14
Bill Sturrock	1969-1970	13
Ed Murray	1968-1969	12
George Ansley	1967-1968	11
Al Philippy	1966-1967	10
Van Phelps	1965-1966	9
Dean Osterud	1964-1965	8
Kingsley Vannier	1963-1964	7
Charles Raatz	1962-1963	6
Bob Booth	1961-1962	5
Lawrence Doughty	1960-1961	4
Richard Socky	1959-1960	3
Bill Hannah	1958-1959	2
Jim Baker	1957-1958	1



## PACIFIC NORTHWEST ASNT FELLOWS

Fellow	Service Year	Section Year
Gary Georgeson	2016	60
Jeffery Siegel	2013	57
Dave Hall	2012	56
William D. Meade	2011	55
Emery E. Roberts	2006	50
Jim Pellicer	2004	48
Flynn Spears	2003	47
Steve LaRiviere	1999	43
John DeBoo	1995	39
Richard Bossi	1992	36
Joy Odell	1991	35
Arvin Morrow	1989	33
Alfred Lucero	1989	33
Dennis Evans	1988	32
Richard McGuire	1987	31
Clinton Schneer	1987	31
Jim Waddilove	1987	31
Lloyd Lamb	1986	30
Martin Gans	1985	29
Robert Bell	1984	28
Wayne Woodmansee	1983	27
William Weed	1983	27
Charles Raatz	1982	26
Roy Odell	1982	26
George Ansley	1981	25
Harold Pinsch	1980	24
Clyde Denton	1980	24
William Kitson Jr.	1979	23
Harold Hovland	1973	17





## REGION 16 of the AMERICAN SOCIETY FOR NONDESTRUCTIVE TESTING

ALASKA, COLUMBIA RIVER, LEWIS & CLARK, PACIFIC NORTHWEST SECTIONS

# Pacific Northwest Board Of Directors

CHAIRPERSON	VICE CHAIRPERSON	TREASURER	SECRETARY
Dr. Trey Gordon & Kathy Ferguson as acting co-chairs SpaceX/The Boeing Company	James Sieger Valence Surface Technologies, LLC.	Dr. Trey Gordon SpaceX	Dr. Steve Brady The Boeing Company
PAST CHAIRMAN	EDUCATION CHAIR	MEMBERSHIP CHAIR	AWARDS CHAIR
Kathy Ferguson The Boeing Company	Megan Davey Clover Park Technical College	Flynn Spears Alban NDE LLC	Kathy Ferguson The Boeing Company
SCHOLARSHIP CHAIR	PRESIDENT'S POINTS CHAIR	PROGRAM CHAIR	TWO-YEAR DIRECTOR
Megan Davey Clover Park Technical College	Kathy Ferguson The Boeing Company	James Sieger Valence Surface Technologies, LLC.	TBD TBD
ONE-YEAR DIRECTOR	ONE-YEAR DIRECTOR	ONE-YEAR DIRECTOR	TWO-YEAR DIRECTOR
Greg Berntsen Skills Inc.	Flynn Spears Alban NDE LLC	Roy Goodall Goodall Infrared Services	Emery E. Roberts Retired/Blue Origin, LLC
TWO-YEAR DIRECTOR	STUDENT DIRECTOR	STUDENT DIRECTOR	
Chris Maraschky The Boeing Company	TBD TBD	TBD TBD	

## REGIONAL DIRECTOR — ASNT REGION 16

Dr. Trey Gordon of SpaceX  
Tel: (425) 919-2582  
Treasurer@asntpnws.com



For a complete list of all Regional Directors see

[https://asnt.org/MajorSiteSections/Membership/Sections/Regional\\_Directors](https://asnt.org/MajorSiteSections/Membership/Sections/Regional_Directors)





# PARKER

Magnetic Particle Inspection Instruments



P.O. BOX 1406, DUNEDIN, FLORIDA 34697 USA

Phone: 727-796-4066

Fax: 727-797-3941

Email: [sales@parkerndt.com](mailto:sales@parkerndt.com)

[www.parkerndt.com](http://www.parkerndt.com)

1-800-525-3935



**REGION 16** of the AMERICAN SOCIETY FOR NONDESTRUCTIVE TESTING  
ALASKA, COLUMBIA RIVER, LEWIS & CLARK, PACIFIC NORTHWEST SECTIONS




Click on photos for hyperlink to YouTube video describing college NDT program if your web browser supports hyperlinks.



[Welcome](#)[MyCC](#)[Canvas](#)[Financial Aid Portal](#)[Careers](#)[Alumni/Friends](#)[Contact](#)

[ABOUT](#)[ACADEMICS](#)[ADMISSIONS](#)[CAMPUS LIFE](#)



# Nondestructive Testing

Our Nondestructive Testing Program can prepare you for a variety of careers in nondestructive testing.





## **The complete solution for your NDT workflow**

Holistic management software for all NDT methods

- Individual and automated test report generation
- Complete order management with status info in real-time
- Inspection staff administration incl. checkups, certifications, ...
- Equipment management
- Central administration of inspection instructions and standards
- Test object management
- User access at any time and from anywhere in the world, even with tablets and smartphones
- Digitalization of the entire NDT workflow

**Request an appointment for a free demonstration now!**

A software solution created by

# THE BEST CR- RESOLUTION!

## Intuitive handling

Easy transition from film

## DICONDE · ISO · ASTM

Compliant to all relevant standards

## Unique 30 $\mu$ m SRb\*

Certified Basic Spatial Resolution

## Lightweight and rugged

Only 38.6 lbs system weight



TreFoc  
TECHNOLOGY

No matter what type of radiographic testing, the unique TreFoc technology of the HD-CR 35 NDT imaging plate scanner always guarantees the highest image quality. And with the intuitive and powerful D-Tect software, you benefit from an optimal and time-saving workflow. Arrange a free demonstration and convince yourself.



**WILLICK  
ENGINEERING**

[www.willick.com](http://www.willick.com)  
562-946-4242

*Digital Intelligence - Ready to Change.*

[www.duerr-ndt.com](http://www.duerr-ndt.com)  
[info@willick.com](mailto:info@willick.com)

**DÜRR  
NDT**



## 2021-2022 Program Year OFFICERS & DIRECTORS

### Executive Committee - Officers

#### CHAIRPERSON

Open

#### VICE-CHAIRPERSON

James Sieger  
Valence Surface Technologies, LLC.  
Tel: (253)670-9523  
[vicechair@asntpnws.com](mailto:vicechair@asntpnws.com)



#### TREASURER

Dr. Trey Gordon  
SpaceX  
Tel: (425) 919-2582  
[treasurer@asntpnws.com](mailto:treasurer@asntpnws.com)



#### SECRETARY

Dr. Steve Brady  
The Boeing Company  
Tel: (206)225-8603  
[secretary@asntpnws.com](mailto:secretary@asntpnws.com)



#### IMMEDIATE PAST CHAIRPERSON

Kathy Ferguson  
The Boeing Company  
Tel: 360-970-4731  
[kathy.l.ferguson@boeing.com](mailto:kathy.l.ferguson@boeing.com)





**Meeting Date:** September 08, 2020

**Location:** Virtual ZOOM meeting

**Speaker, Company:**

**Paul Holloway, P.E. of Holloway NDT & Engineering**

**Attendance: 12**

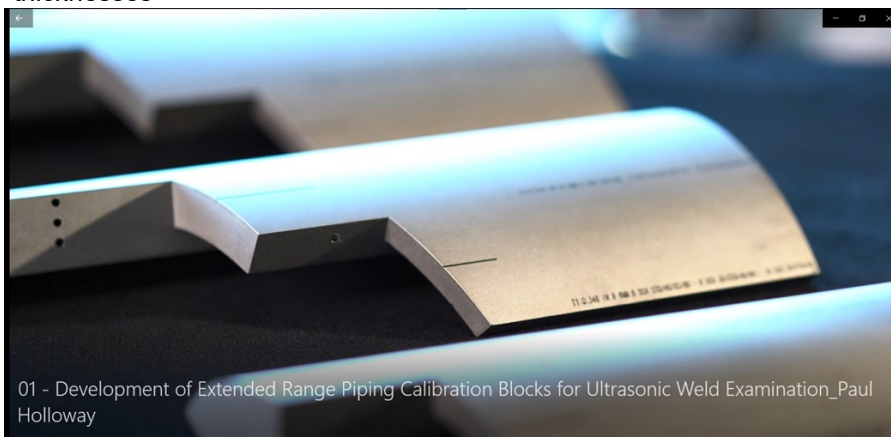
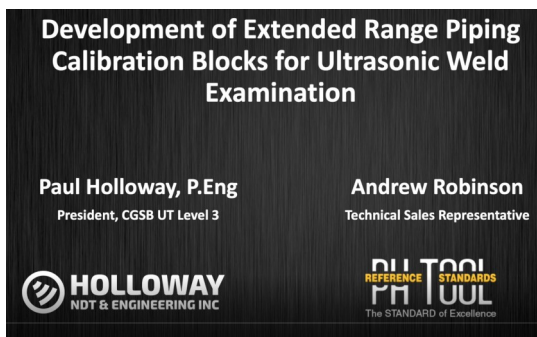
**Title of Presentation: Development of Extended Range Piping Calibration Blocks for Ultrasonic Weld Examination**

**Meeting Summary**

On the evening of September 8th 2020 twelve members joined the first virtual meeting of the program year. A video prepared by ISC at the 2018 ASNT Fall conference was shown titled "Development of Extended Range Piping Calibration Blocks for Ultrasonic Weld Examination". The presentation by Brian Holloway, P.E. of Holloway NDT & Engineering, Inc. provided an attractive alternative to Ultrasonic shear wave calibration standards, both conventional and phased array, that will meet industry standard ASME section 4:2017 and the fabrication process. This informative presentation on the fabrication of alternate ASME Ultrasonic calibration blocks for piping of various diameters and wall thicknesses was followed by a lively discussion among the members.

**Figure 1: (right) Title of Presentation**

**Figure 2: (below) One block with 3 different thicknesses**



01 - Development of Extended Range Piping Calibration Blocks for Ultrasonic Weld Examination\_Paul Holloway





**Meeting Date:** October 13th, 2020

**Location:** ZOOM meeting

**Attendance:** 10

**Speaker, Company:** Michael Kowatch of QTI Services

**Title of Presentation:** Benefits of Renewing MT Oil Carrier



### Benefits of Renewing MT Oil Carrier

**Meeting Summary:** Ten members including one student member from Clover Park Technical Institute of ASNT participated in a virtual meeting of the Pacific Northwest section of ASNT on October 13, 2020. Lessons learned during the first meeting of the year were corrected and operations went smoothly. A video presented at the 2018 ASNT Fall conference by ISC was shown titled "Benefits of Renewing MT Oil Carrier". The presentation was made by Michael Kowatch of QTI Service. Michael presented information that the carrier oil for magnetic particle could be renewed instead of being replaced almost infinitely. He presented information that he presented to Nadcap (used by aerospace NDE providers) to justify his renewal process. This process is advertised as being compliant with ASTM and AMS standards. A question & answer period followed his presentation which were included in the video. His answers to the questions that were recorded were enlightening and instigated a lively discussion among the attendees. The web site for his product is <http://www.qtilc.com/mag-renew.html> or information can also be found at [MAG-renew MR-30 - YouTube](#). On the Nov 10, 2020 virtual meeting a presentation titled "How Small NDE Service Providers Can Use NDE 4.0 as a Competitive Advantage" by Johannes Kraijesteijn is scheduled. This will be a HYOD event (Have Your Own Dinner).



**Meeting Date:** November 10, 2020

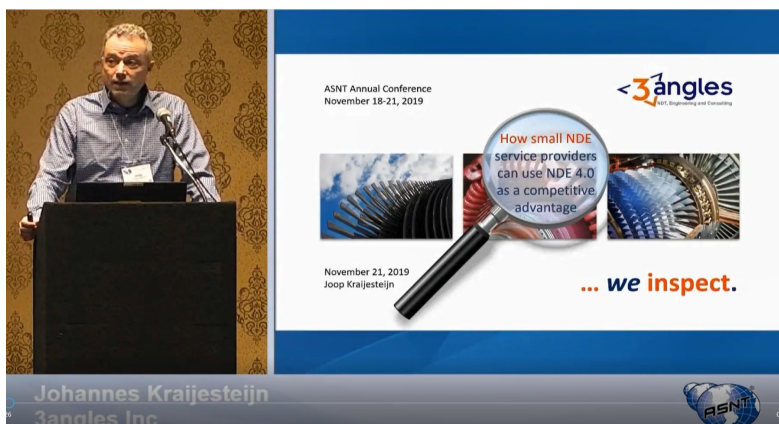
**Location:** Virtual ZOOM meeting

**Attendance:** 12

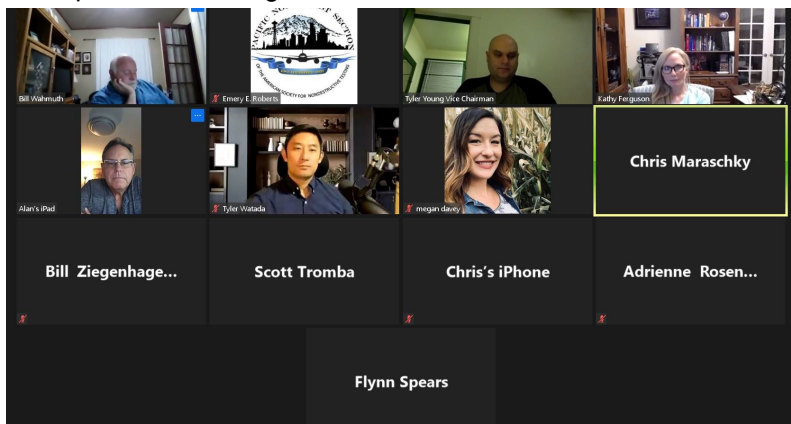
**Speaker, Company:** Johannes Kraijesteijn of 3angles, Inc.

**Title of Video Presentation:** How Small NDE Service Providers  
Can Use NDE 4.0 as a Competitive Advantage

**Meeting Summary:** The video was shown followed by a lively discussion among the attendees. After the video discussion, we had a 30 minute networking time that everyone stayed on-line for and participated in.



**Figure 1:** Johannes Kraijesteijn presenting on NDE 4.0 as a Competitive Advantage.



**Figure 2:** Zoom Attendance



**Meeting Date:** December 08, 2020

**Location:** Virtual ZOOM meeting

**Speaker, Company:** David S Forsyth of Texas Research International - Austin

**Title of Video Presentation:** Putting the Meta into Metadata

Thirteen members and guests came together on December 08, 2020 to hear Mr. David Forsyth provide a presentation of using meta data in daily NDE operations. Testing meta data is essentially the information necessary to meaningfully interpret the testing results. Information of meta data should include who collected it, why it was collected and where it was collected. It should also include how to interpret the data being presented. Mr. Forsyth also stressed that a purpose of generating useful meta-data will make future interpretation possible and meaningful, whether months or years from date of collection. Following the presentation several attendees gave examples of how meta data is currently being used at their facilities. Ideas to improve the requirement and use of meta data were also discussed. One of the ideas given during the presentation was that manufactures of similar equipment could use common data formats similar to the DICONDE format used in DR/CR. Doing so may be advantageous to the end user. After lively discussion of the video, we had a 30 minute networking time that everyone stayed on-line for and participated in.

**Putting the Meta into Metadata**

David Forsyth  
Texas Research International

**Participants (13)**

Q Find a participant

- Emery E. Roberts
- TY Tyler Young Vice Chairman (Host)
- KF Kathy Ferguson (Co-host)
- A Alan Stewart
- TD Tom Davis
- AR Adrienne Rosenthal
- b bill walrumb
- JD Jeffrey Demet
- MV Michael Virgilio
- ST Scott Tromba
- TW Tyler Watada
- 14258023337 (Chris Black)
- Cl Chris's iPhone





**REGION 16** of the AMERICAN SOCIETY FOR NONDESTRUCTIVE TESTING  
ALASKA, COLUMBIA RIVER, LEWIS & CLARK, PACIFIC NORTHWEST SECTIONS

**Meeting Date:** January 12, 2021

**Location:** Virtual ZOOM meeting

**Attendance:** 7

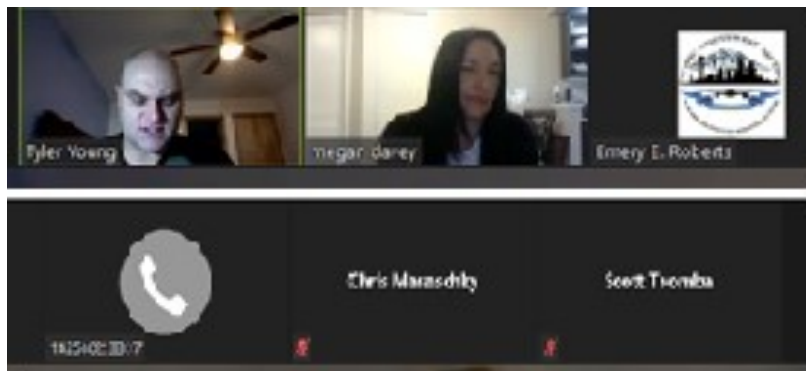
**Speaker, Company:** Bruce Breeden, floodlight software

**Title of Video Presentation:** The Operational Value of Digitizing the  
NDT Inspection Process

The video was shown followed by a lively discussion among the attendees. After the video discussion, we had a 30 minute networking time that everyone participated in.



**Figure 1—Bruce Breeden of Mobile Research presenting topic of the evening.**



Plus: Katry Ferguson & Chris Black on phone.

**Figure 2- Proof of attendance.**



## REGION 16 of the AMERICAN SOCIETY FOR NONDESTRUCTIVE TESTING

ALASKA, COLUMBIA RIVER, LEWIS & CLARK, PACIFIC NORTHWEST SECTIONS

**Meeting Date:** February 9th, 2021

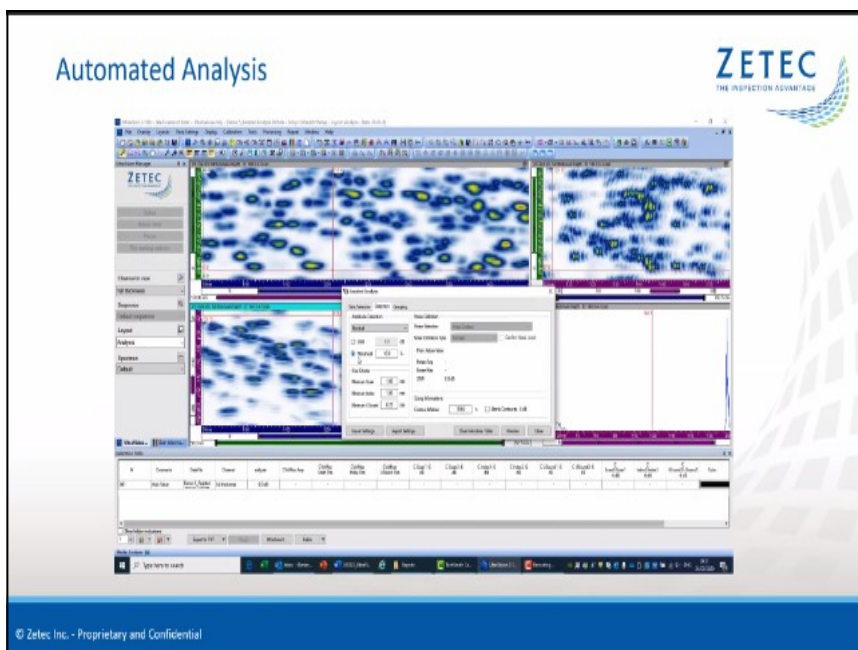
**Location:** Virtual ZOOM meeting

**Attendance:** 14

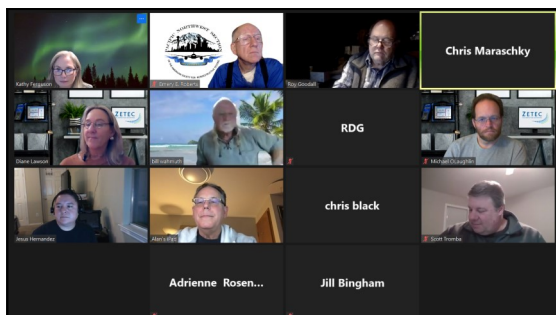
**Speaker, Company:** Jesse Hernandez, ZETEC

**Title of Presentation:** Activated Automated Analysis

The video was shown and was then followed by a lively discussion among the attendees. Mr. Hernandez presented information on the new automated analysis by Eddy Current equipment. After the video discussion, we had a 30 minute networking time that everyone participated in.



**Figure 1 - Top, side, and end views of indications.**





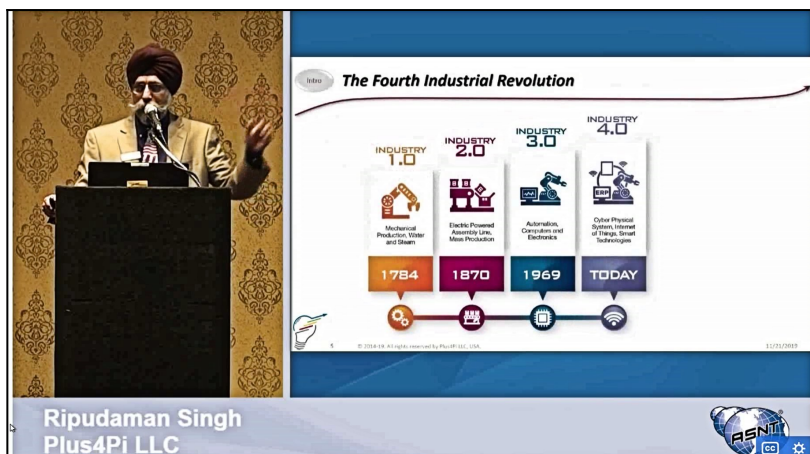
**Meeting Date:** March 9th, 2021  
**Location:** Virtual ZOOM meeting

**Attendance:** 13

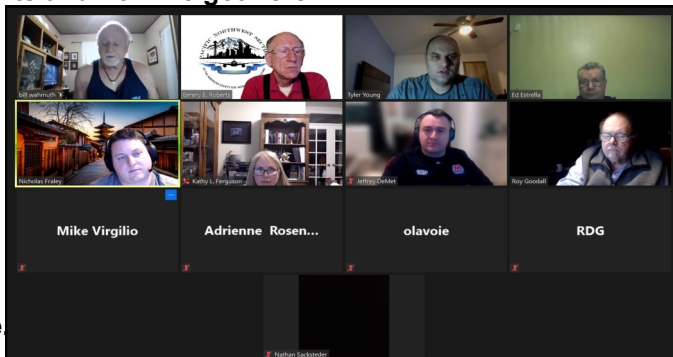
**Speaker, Company:** Dr. Ripi Singh, Plus4Pi LLC

**Title of Presentation:** NDE 4.0: Opportunities, Challenges, and Global Efforts

Thirteen members gathered via Zoom virtual meeting to listen to Dr. Ripi Singh of Plus4Pi LLC talk about NDE 4.0. Dr. Singh talked about why we should use it and how it is used. The use of NDE with the 4th Industrial Revolution (Industry 4.0) includes a closed circle of going from the physical world to the cyber world back to the physical world etc., etc.. The result of using NDE4.0 should be mass new jobs and improved work flow. After Dr. Singh's presentation a group discussion on how NDE 4.0 is or can be implemented in local companies.



**Figure 1 - Presentation on NDE 4.0: Opportunities, Challenges, and Global Efforts and how we got here.**



**Figure 2:  
Proof of  
attendance**



**Meeting Date:** April 13th, 2021

**Location:** Virtual ZOOM meeting

**Attendance:** 8

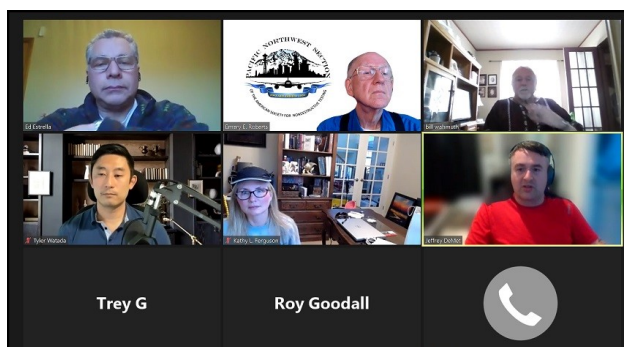
**Speaker, Company:** Peter Van Camp of Invert Robotics, Inc.

**Title of Presentation:** Sliding Suction based NDT Robotic Crawler

Eight members joined a video conference via Zoom on April 13, 2021 for Peter Van Camp of Invert Robotics presentation of the many uses for Invert Robotics suction-based crawler. The sliding suction crawler is currently being used in the Food, Pharmaceutical, Chemical, Aerospace and Energy industries. With a 11 lb. payload capacity various nondestructive testing tools can be carried to the inspection points including weld inspection, thickness testing, B-scan and is ideally suited for grid mapping on many surfaces with a 6  $\mu$ M RA finish. The suction-based crawler is also a good alternative to confined space entry and extensive rope access reducing the personnel risks. Following Peter's informative presentation, the attendees discussed possible uses at the companies they represent.



**Figure 1 - Presentation: Sliding Suction based NDT Robotic Crawler.**



**Figure 2 - Proof of attendance.** Kathy is listed as voice on the phone and video.



**Meeting Date:** May 11th, 2021

**Location:** Virtual ZOOM meeting

**Attendance:** 6

**Speaker, Company:** Robert D. Gessel, CWI, CRI, ASNT Level III of Wiss, Janney, Elstner Associates (WJE)

**Title of Presentation:** Mitigation of Sheave Trunnion Cracks for the Burlington Bristol Bridge

A live presentation was provided by Robert Gessel of WJE. Rob conducted NDE (MT,UT) on the Burlington Bristol Bridge crossing the Delaware river in Pennsylvania. Since this bridge contains the heavily trafficked New Jersey Route 413 and Pennsylvania Route 413 traffic was accommodated with periodic maximum 20 minute closures during the nights while NDE was conducted. In addition to providing information to allow the trunnions to be in service longer and preventing major interruptions in service or an infrastructure catastrophe a side benefit was observing some spectacular sunrises from the trunnion locations at the top of the bridge . The six members who enjoyed the first-hand presentation were able to see some spectacular views taken during some of the time between inspections. After the presentation members asked Rob questions regarding the inspections.

**Figure 2**  
**Proof of attendance.**

**Figure 1 - Rob Gessel explains use of trunnion**







## Nondestructive Testing Products



### Liquid Penetrant

- Penetrants
- Developers
- Emulsifiers
- Removers



### Magnetic Particle

- Particles
- Suspension Vehicle
- Contrast Paint
- Water Additives



### UV Lamps & Accessories

- Stationary
- Hand-held
- Meters
- Mounts





## PNWS RADIATION SAFETY REFRESHER SEMINAR

The Radiation Safety Refresher Seminar was canceled for 2021 due to an abundance of caution regarding the COVID-19 pandemic, respect for the health of potential attendees and State guidelines.

**The Eddy Current Shim Plate.**

**Only at FlawTech.**

**FLAWTECH**  
Flawed Specimen Manufacturing

[www.FlawTech.com](http://www.FlawTech.com)  
(704) 795 4401



## REGION 16 of the AMERICAN SOCIETY FOR NONDESTRUCTIVE TESTING ALASKA, COLUMBIA RIVER, LEWIS & CLARK, PACIFIC NORTHWEST SECTIONS

**ASNT Section data for the program year July 1, 2020 through June 30, 2021 provided by ISC Staff and Heather Cowles.**

### ASNT Sections: 2020–2021 In Review

#### Countries with active ASNT sections

Countries with active ASNT sections between 1 July 2020 – 30 June 2021: Canada, China, Germany, India, Kuwait, Mexico, Saudi Arabia, South Africa, Turkey, United Arab Emirates, United Kingdom, United States.

#### Section Meetings

**253** meetings

**156** speakers

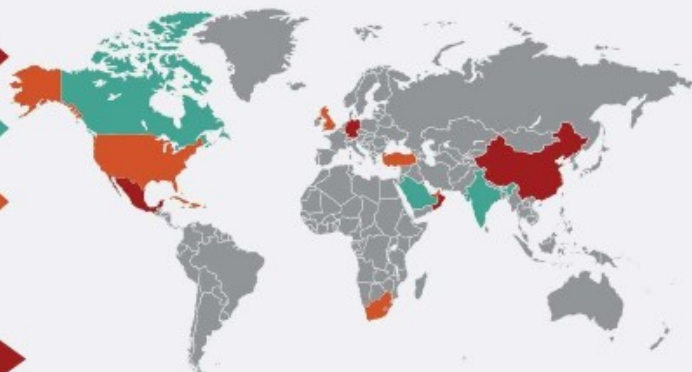
**2680** sections

#### Virtual Section

**4** meetings

**1110** affiliated members

**1018** attendees



#### Most Presented Methods



**34** active US sections

**14** active international sections

**2** new sections chartered

#### Volunteer Leader Network

**314** member volunteers led active sections.

**59** volunteers were first-time section leaders.



ASNT | SECTIONS.



For more information on upcoming ASNT section activities, please visit [asnt.org/sections](https://asnt.org/sections)

## MISTRAS NDT Training Institute “LEARNING CENTERS”

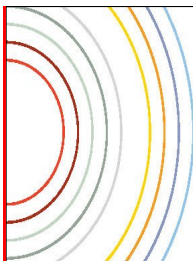
Course	Dates	Time	Location	Course Fee
<b>Ultrasonic Level I</b> 40 hours	June 6th- 9th	8:00 am to 4:30pm	Kent, WA	\$1450
<b>Ultrasonic Level II</b> 40 hours	June 20 - 24th	8:00 am to 4:30pm	Kent, WA	\$1450
<b>Liquid Penetrant Level I/II</b> 32-hours (NAS 410)	July 18rd – 23	8:00 am to 4:30pm	Kent, WA	\$1150
<b>Magnetic Particle Level I/II</b> 32-hours (NAS 410)	August 15th – 18th	8:00 am to 4:30pm	Kent, WA	\$1150

## 2022 Schedule - Kent, WA

- Please inquire about needs for special classes not listed above, onsite training or refresher/testing.
- Each Course Fee includes classroom study materials.
- Each of the above classes will be offered subject to minimum number of 4 students and subject to cancellation if not full (two weeks prior to class). If fewer students wish to attend, then higher per student rate would apply to cover minimum. Check or purchase order must be received to reserve space.
- All classes include metals processes and manufacturing, basic theory, industrial practices, applications, applicable safety standards, documentation, applicable standards and specifications.
- Level I, II and III requirements, certification methods, and methods of qualification will be presented.
- All courses include a combination of presentation and hands on applications with different samples in order to reinforce learning and comprehension.
- Course instructors are Certified Mistras Instructors.
- Cancellation fee of \$250 two weeks before the start of the class.

All courses meet or exceed industry standards (ASNT SNT-TC-1A, ASNT CP-189, NAS 410, NRC, State of Washington) as applicable.

- Contact Mike Campbell at [training.seattle@mistrasgroup.com](mailto:training.seattle@mistrasgroup.com) for more details or to register.



# SONASPECTION

Experts in manufacturing flawed specimens and mock-ups

**WORLD LEADING MANUFACTURER  
OF STANDARD AND CUSTOM FLAWED  
SPECIMENS AND MOCK-UPS**

**INTERNATIONALLY RECOGNISED AS  
THE STANDARD FOR NDE TRAINING  
AND QUALIFICATION**



**W [SONASPECTION.COM](http://SONASPECTION.COM)**

**USA**

**T +1 704-262-3384**

**E [SONASPECTION\\_USA@IMECHE.ORG](mailto:SONASPECTION_USA@IMECHE.ORG)**

**UK**

**T +44 (0)1524 34991**

**E [SONASPECTION@IMECHE.ORG](mailto:SONASPECTION@IMECHE.ORG)**

## Western Instruments

Pit Depth Gauges - Portable MPI Equipment - Pipeline Demag Coils

**Pit  
Gauges**

**780-459-6720**



**[www.westerninstruments.com](http://www.westerninstruments.com)**



## Proper Usage of NDT Terminology

- Personnel certified by examination by their employer (or through contracted examination agencies or training facilities other than ASNT) should be listed as being "certified in accordance with Recommended Practice No. SNT-TC-1 A." In addition, employer certified Level IIIs may be called "Level IIIs."
- Personnel certified by ASNT examination may be referred to as being "ASNT certified" and may be called by the proper name "ASNT NDT Level II or Level III."
- Personnel certified through the ASNT Central Certification Program (ACCP) may be said to be "ASNT certified" or, more properly, to have been certified as an "ACCP Level II" or "ACCP Professional Level III."
- Adherence to these simple distinctions will reduce confusion in the industry.
- Above text Excerpted from ME Sept. 2021 issue, Staff News

Introducing The Traveler CWI Visual Training Kits:

### The Traveler Kit.

15 polymer specimens & 50+ Different Weld Indications



### The Traveler II Kit.

8 Side Bands & 8 Longitudinal Bands



Indications can be observed from various angles and magnifications.

AWS D1.1 & D1.5  
Exercises are available in Part B of the AWS CWI Exam

**FLAWTECH**  
Flawed Specimen Manufacturing

[www.FlawTech.com](http://www.FlawTech.com)  
(704) 795 4401





## Linn-Benton COMMUNITY COLLEGE

### Non-Destructive Testing and Evaluation Facilities

[6500 Pacific Blvd. SW, Albany, Oregon 97321](#)



Why Should You Go into Non-Destructive Testing and Evaluation? If you are interested in using your hands as well as your mind in a dynamic and growing industry, Non-Destructive Test (NDT) and Evaluation may be for you. LBCC's Non-Destructive Testing and Evaluation [associate degree](#) program provides hands-on training for a well-paying career that also helps make the world a safer place! Whether driving a car or boarding a plane, the strength or structural integrity of the parts holding everything ...

Click here to see more information on the Linn-Benton [Nondestructive Testing \(NDT\) and Evaluation, Associate of Applied Science](#)

This two-year program provides hands-on training with state-of-the-art equipment, including ultrasonic phase array 3D imaging, radiography, penetrating dyes, magnetic particle inspection, and visual inspection to find surface and sub-surface flaws and anomalies.





## UNIVERSITY OF ALASKA AT ANCHORAGE

---



[Associate of Applied Science in  
Welding and Nondestructive  
Testing Technology](#)



Upon completion of this AAS degree, students will demonstrate:

- Demonstrate hazard assessment and best safety practices.
- Demonstrate advanced technical skills that meet published industry standards in the welding and nondestructive examination fields.
- Demonstrate advanced technical knowledge of the interrelationship between metallurgy, welding and inspection processes.
- Demonstrate advanced forms of effective technical, oral, and written communication.
- Demonstrate application of advanced mathematical formulas and computations as applied in the welding, inspection and nondestructive examination fields.

- See more at: <https://catalog.uaa.alaska.edu/undergraduateprograms/ctc/weldingandnondestructivetestingtechnology/#sthash.mFiGojJw.dpuf>



## ABOUT ASNT

The American Society for Nondestructive Testing, Inc. (ASNT) is the world's largest technical society for nondestructive testing (NDT) professionals. Through our organization and membership, we provide a forum for exchange of NDT technical information; NDT educational materials and programs; and standards and services for the qualification and certification of NDT personnel. ASNT promotes the discipline of NDT as a profession and facilitates NDT research and technology applications.

ASNT was founded in 1941 (under the name of The American Industrial Radium and X-Ray Society) and currently boasts an individual membership of over 10,000 including more than 450 Corporate Partner affiliated companies. The Society is structured into local Sections (or chapters) throughout the world. There are over 70 local Sections in the US and 14 internationally. Our membership represents a wide cross-section of NDT practitioners working in manufacturing, construction, education, research, consulting, services, and the military.

ASNT is a nonprofit corporation governed by a board of directors and national officers. The Society is organized into councils which govern issues related to 1) Technical and Education, 2) Research, 3) Section Operations and 4) Certification. These councils meet regularly to achieve the goals and objectives of the overall organization. Day to day operations and activities are managed by the ASNT world headquarters staff in Columbus, Ohio.

In terms of specific activities, ASNT is the world leader in organizing and sponsoring conferences and meetings pertaining to NDT. Our Fall and Spring Conferences alone attract over 2,000 participants. The Society also maintains an extensive publications operation which produces and distributes NDT related books, standards, technical journals, and training materials.

Excerpted from <https://www.asnt.org/MajorSiteSections/About>

---

## MEMBERSHIP RENEWAL

For printable or online ASNT membership information go to  
<https://www.asnt.org/MajorSiteSections/Membership/Join>  
[ASNT/Printable\\_Applications](#)



## ASNT Mission Statement

ASNT exists to create a safer world by advancing scientific, engineering and technical knowledge in the field of nondestructive testing.

## ASNT Strategic Objectives

1. Increase participation in society's activities.
2. Promote an inclusive vision across ASNT's membership and the NDT community.
3. Be a premier provider of NDT/NDI/NDE/NDC information including publications, references, archives, training and conferences.
4. Support national and international acceptance and use of ASNT's services.
5. Promote advancement of research and implementation of NDE technology.
6. Grow ASNT through partnership with industry, government, professional organizations and educational institutions.
7. Advocate and provide NDT personnel certification.
8. Maintain ASNT's fiscal stability in order to fulfill the society's mission.
9. ASNT will identify paths for lifelong education and career development within the NDT profession including theory, application and skills for the practitioner, engineer and researcher.



## THE PACIFIC NORTHWEST SECTION

Chartered in 1957, the Pacific Northwest section of ASNT has provided it's members a venue for networking with peers, social interactions and interactions with national members for the previous 64 years. New non-destructive testing technology has been introduced to it's members and non-members along with refreshers of the standard non-destructive testing methods. Take the opportunity to join your peers in interaction with other professionals in your field or introducing new and exciting non-destructive testing methods or new applications of the standard methods by renewing your membership or joining the members of ASNT in helping provide a safe environment. Scholarships are awarded to students who meet the [qualification requirements](http://www.asntpnws.com/images/David_Hall_Scholarship_Letter.pdf) at [http://www.asntpnws.com/images/David\\_Hall\\_Scholarship\\_Letter.pdf](http://www.asntpnws.com/images/David_Hall_Scholarship_Letter.pdf)

### Why Join?

### Is NDT your job or part of your job responsibility?

ASNT can play an important role in helping you to achieve your goals. Membership in the non profit Society is access to NDT's global community. If NDT matters, then membership in ASNT is a wise investment to make.

ASNT Membership is the confluence of NDT related scientific, engineering and technical knowledge.  
**ASNT can be a key resource to:**

- Building professional relationships
- Accessing information and resources
- Increasing career opportunities
- Networking with peers
- Developing leadership skills
- Sharing experience and expertise
- Gaining competitive advantages

#### **What opportunities are there for you in ASNT?**

- Get involved with a local section
- Serve on international committees
- Present a paper
- Achieve professional recognition
- Publish a paper
- Contribute to building the Body-of-Knowledge
- Attend conferences and symposia
- Take Refresher Courses
- Obtain ASNT NDT certification credentials

**Resources are even stronger when you become an active ASNT member.**

**Join ASNT by using the links on the following page**



## THE AMERICAN SOCIETY FOR NONDESTRUCTIVE TESTING

The American Society for Nondestructive Testing, Inc. (ASNT) is the world's largest technical society for nondestructive testing (NDT) professionals. Through our organization and membership, we provide a forum for exchange of NDT technical information; NDT educational materials and programs; and standards and services for the qualification and certification of NDT personnel. ASNT promotes the discipline of NDT as a profession and facilitates NDT research and technology applications.

*Are you unfamiliar with the 14 different NDT methods you can certify in ? [Learn more about this important profession.](#)*

## Membership

ASNT was founded in 1941 (under the name of The American Industrial Radium and X-Ray Society) and currently boasts a membership of more than 14,000. The Society is structured into local Sections (or chapters) throughout the world. There are over 90 chartered local Sections in over 10 countries. Our membership represents a wide cross-section of NDT practitioners working in manufacturing, construction, education, research, consulting, services, and the military.

[Learn more about ASNT's membership options.](#)

## Structure

ASNT is a nonprofit corporation governed by a board of directors and national officers. The Society is organized into councils which govern issues related to 1) Technical and Education, 2) Research, 3) Section Operations and 4) Certification. These councils meet regularly to achieve the goals and objectives of the overall organization. Day to day operations and activities are managed by the ASNT International Service Center staff in Columbus, Ohio. [Learn more about the structure of ASNT.](#)

[Find information about ASNT CERTIFICATION SERVICES, LLC](#) by clicking on this link or navigate to <https://asntcertification.org> .



## **REGION 16 AWARD WINNERS**

### **In Previous 10 YEARS**

#### **ASNT 50 Year Member Recognition**

2018 Jack Spanner Sr. - COLUMBIA RIVER SECTION

2017 Thomas J. Davis - PACIFIC NORTHWEST SECTION

2017 Roy O'Dell - PACIFIC NORTHWEST SECTION

#### **Robert S. McMaster Gold Metal**

2016 Dr. Gary Georgeson - PACIFIC NORTHWEST SECTION

#### **Young NDT Professional Award**

2016 Steven Brady - PACIFIC NORTHWEST SECTION

#### **Lou DiValero TECHNICIAN OF THE YEAR recipient**

2015 Christopher A. Black - PACIFIC NORTHWEST SECTION

2007 Matt Mead - PACIFIC NORTHWEST SECTION

#### **GEORGE L. PHERIGO TUTORIAL CITATION**

2010 Martin T. Anderson - ALASKA SECTION

#### **Mentoring Award**

2019 Richard H. Bossi - PACIFIC NORTHWEST SECTION

2019 Kathy L. Ferguson - PACIFIC NORTHWEST SECTION

2015 Dr. Gary Georgeson - PACIFIC NORTHWEST SECTION

2012 Martin T. Anderson—ALASKA SECTION

#### **Research Council Award for Sustained Excellence**

2013 Dr. Richard H. Bossi- PACIFIC NORTHWEST SECTION

#### **Charles N. Sherlock Meritorious Service Award**

2019 Flynn Spears - PACIFIC NORTHWEST SECTION

2014 Emery E. Roberts - PACIFIC NORTHWEST SECTION

#### **Award for the Advancement of Active Military and Veterans in NDT**

2021 Megan Davey

2016 Samuel Bullard - PACIFIC NORTHWEST SECTION

#### **Lester/Mehl Honor Lecture Award**

2017 Dr. Richard H. Bossi - PACIFIC NORTHWEST SECTION

#### **Advancement of Women in NDT Recognition**

2019 Jocelyn A. Langlois - COLUMBIA RIVER SECTION

2018 Kathy Ferguson—PACIFIC NORTHWEST SECTION





## **REGION 16 AWARD WINNERS**

### **In Previous 10 YEARS**

#### **Fellow Award**

2019 Timothy L. Burkholder - PACIFIC NORTHWEST SECTION

2018 Trey Gordon, PhD—PACIFIC NORTHWEST SECTION

2017 Martin T. Anderson - ALASKA SECTION

2016 Gary Georgeson—PACIFIC NORTHWEST SECTION

2014 Jeff Siegel—PACIFIC NORTHWEST SECTION

2012 David Hall—PACIFIC NORTHWEST SECTION

2011 William Meade—PACIFIC NORTHWEST SECTION

## **ISC OFFICERS FROM REGION 16**

#### **ASNT CHAIRMAN OF THE BOARD**

2009-2010 Jocelyn Langlois - COLUMBIA RIVER SECTION

#### **ASNT PRESIDENT**

2008-2009 Jocelyn Langlois - COLUMBIA RIVER SECTION

#### **ASNT VICE-PRESIDENT**

2007-2008 Jocelyn Langlois - COLUMBIA RIVER SECTION

#### **ASNT SECRETARY/TREASURER**

2006-2007 Jocelyn Langlois - COLUMBIA RIVER SECTION

### **Become Involved with ASNT Committees**

All ASNT members are encouraged to become active in those committees which are of interest to them. Committee rosters are published in the February *Ready Reference* guide, as is contact information for members of committees. Contact the committee's chair for more



## Benefits of joining ASNT

### [www.asnt.org](http://www.asnt.org)

ASNT's popular Web site draws thousands of visitors each week to obtain comprehensive technical data and important information on Society activities.

### [Materials Evaluation](#)

ASNT's premier monthly journal provides members and subscribers the latest NDT news and technical information.

### [The NDT Technician: A Quarterly Publication for the NDT Practitioner](#)

A quarterly publication with relevant issues and information for the NDT practitioner written and reviewed by NDT practitioners.

### [Research in Nondestructive Evaluation](#)

The quarterly journal presenting original research in all areas of NDT.

### [NDT Handbook](#)

The series is recognized worldwide as the definitive NDT reference work.

### [Recommended Practice SNT-TC-1A](#)

Developed and maintained by ASNT, this is ASNT's guideline for NDT personnel qualification. Available from [ASNTStore](#) or the ASNT Book Department.

### [ASNT Standard for Qualification and Certification of Nondestructive Testing Personnel \(CP-189\)](#)

ASNT's standard for NDT personnel qualification. Available from [ASNTStore](#) or the ASNT Book Department.

### [ASNT Certification/Examinations](#)

- Industrial Radiography Radiation Safety Personnel (IRRSP)
- ASNT NDT Level III
- ACCP Level II and Professional Level III

ASNT [Code of Ethics](#)

## Future ASNT Events

For an up to date listing of events visit

[https://asnt.org/MajorSiteSections/Events/Upcoming\\_Events.aspx](https://asnt.org/MajorSiteSections/Events/Upcoming_Events.aspx)



## DEFINITION OF NONDESTRUCTIVE TESTING

Nondestructive testing (NDT) has been defined as comprising those test methods used to examine an object, material or system without impairing its future usefulness. The term is generally applied to nonmedical investigations of material integrity.

Strictly speaking, this definition of nondestructive testing does include noninvasive medical diagnostics. Ultrasound, X-rays and endoscopes are used for both medical testing and industrial testing. In the 1940s, many members of the American Society for Nondestructive Testing (then the Society for Industrial Radiography) were medical X-ray professionals. Medical nondestructive testing, however, has come to be treated by a body of learning so separate from industrial nondestructive testing that today most physicians never use the word nondestructive.

Nondestructive testing is used to investigate the material integrity of the test object. A number of other technologies - for instance, radio astronomy, voltage and amperage measurement and rheometry (flow measurement) - are nondestructive but are not used to evaluate material properties specifically. Nondestructive testing is concerned in a practical way with the performance of the test piece - how long may the piece be used and when does it need to be checked again? Radar and sonar are classified as nondestructive testing when used to inspect dams, for instance, but not when they are used to chart a river bottom.

In blunt language, a nondestructive test does not improve quality. It can help to establish the quality level but only management sets the quality standard. If management wants to make a nearly perfect product or wants at the other extreme to make junk, then nondestructive tests will help make what is wanted, no more and no less. In preparing a drawing for a part, the designer sets tolerances on dimension and finish. If a drawing specifies a certain dimension as 32 mm (1.25 in.) but fails to specify the tolerance, the machine shop supervisor rejects the drawing as incomplete or assumes the standard tolerance. In nondestructive testing, a quality tolerance (the tolerance on the characteristic being tested) or criteria for acceptance or rejection must also be specified.

### [To Serve or Not to Serve](#)

An article regarding the legal liability of serving alcohol related beverages at ASNT events.



## Index of Advertisers

<b>Advertiser</b>	<b>Page</b>
Western Instruments	Inside front cover
Western Instruments	Business Card 6
FlawTech	Half Page 8
MATEC	Full Page 14
Olympus	Business Card 18
Alban NDE LLC	Full Page 26
Parker Research Corporation	Full Page 28
Clover Park Technical College	NDT Education 29
Magnaflux	Full Page 42
DÜRR NDT Engineering/Willick Engineering Co., Inc.	30-31
FlawTech	Half Page 43
Mistras NDT Training Institute	NDT Education 45
Western Instruments	Business Card 46
Sonaspection International, Inc.	Half Page 46
FlawTech	Half Page 47
Linn-Benton Community College	NDT Education 48
University of Alaska	NDT Education 49
Olympus	Inside back cover
MPM Products	Outside back cover

Advertisers are hyperlinked to their page in this yearbook and ads to their web page when viewing electronically.

Your ad could also be listed here !  
Contact [yearbook@asntpnws.com](mailto:yearbook@asntpnws.com) for info.

*ASNT is not responsible for the authenticity or accuracy of information herein. Published opinions and statements do not necessarily reflect the opinion of ASNT. Products or services that are advertised or mentioned do not carry the endorsement or recommendation of ASNT.*



## Olympus supports inspectors. Let us know how we can help.

Olympus is proud to be a **local contributor** to the ASNT Pacific Northwest community. We welcome you to visit us online at **Olympus-IMS.com** or call us at **281-922-9300** with any NDT inspection needs. We're always **ready to help**.





**DISTRIBUTOR OF  
NDT PRODUCTS & EQUIPMENT**

*A leader in*

**X-RAY, CR & DR SYSTEMS**

**MT/PT, UT & RT SUPPLIES**

**SERVICE, CALIBRATION & TRAINING**

**7 Distribution Centers**

- California
- Oregon
- Texas
- Minnesota
- Georgia
- Ohio
- Maryland

**Orders**

[orderentry@mpmproducts.com](mailto:orderentry@mpmproducts.com)

**Sales inquiries**

[sales@mpmproducts.com](mailto:sales@mpmproducts.com)

**Equipment service**

[service@mpmproducts.com](mailto:service@mpmproducts.com)

**Small instrument repair & calibration**

[repairs@mpmproducts.com](mailto:repairs@mpmproducts.com)

**800.429.0128**  
**[www.mpmproducts.com](http://www.mpmproducts.com)**