



# Between the Cracks

San Diego Section  
American Society for Non-Destructive Testing, Inc.

SD-ASNT  
NEWSLETTER

Vol. 7, Issue 7  
March 2018

## Board of Directors:

### Chairman:

Denise McKay  
[poppydancer@yahoo.com](mailto:poppydancer@yahoo.com)

### Vice Chairman:

Ramon Thomson  
[ramonithomson@gmail.com](mailto:ramonithomson@gmail.com)

### Treasurer:

Aurapong (Jerry) McAnulty  
[mcanultyjai@yahoo.com](mailto:mcanultyjai@yahoo.com)

### Secretary:

Michael Diaz  
[mikediaz05@gmail.com](mailto:mikediaz05@gmail.com)

### Past Chairman:

Aurapong (Jerry) McAnulty  
[mcanultyjai@yahoo.com](mailto:mcanultyjai@yahoo.com)

### Directors-at-Large:

William Harris  
[wilwelder41@aol.com](mailto:wilwelder41@aol.com)

John Morris  
[honor1man@yahoo.com](mailto:honor1man@yahoo.com)

Juan Carlos Macpherson  
[macj03@hotmail.com](mailto:macj03@hotmail.com)

Larry Olsen  
[sd-asnt@cox.net](mailto:sd-asnt@cox.net)

Hans Weber  
[hansweber@earthlink.net](mailto:hansweber@earthlink.net)

San Diego Section  
of the American Society for  
Non-Destructive Testing, Inc.

[bod@sd-asnt.org](mailto:bod@sd-asnt.org)

Website:  
[www.sd-asnt.org](http://www.sd-asnt.org)

## Ms. Marybeth Miceli is the Speaker for April 3rd

**Marybeth Miceli** is the President and Founder of **Miceli Infrastructure Consulting (MIC)** Los Angeles, CA and a co-founder of the We-NDT Marketing Network (NV). Ms. Miceli has over 20 years experience in nondestructive evaluation and testing. She is a Materials Science Engineer with a background in civil infrastructure, technology transfer, failure analysis, quality assurance, advanced sensors, and structural monitoring. Ms. Miceli works with asset owners to determine which NDT and SHM technologies should be used on their structures to get actionable data. Ms. Miceli's work has ranged from Infrared Thermography on FRP bridge decks to acoustic microscopy research to field testing of assets using UT, ET, MT, PT and VT as well as strain gages and many advanced sensors. She has worked on various projects from the antenna of the Empire State Building and Ground Zero following 9/11, to multiple baseball stadiums, military assets, and well over 100 bridges. Ms. Miceli is also a consultant for the Department of Homeland Security on aging infrastructure and on the FHWA LTBP SHM and NDT advisory group.

**Ms. Miceli** has just begun her second 3-year term on the Board of Directors for the ASNT, served a 2-year term as the Section Operations Chair and 5 years as the Chair of their Infrastructure Committee on the T&E Council. She is ASNT's youngest fellow and has served on the Governance Committee 11 years. Ms. Miceli has been the recipient of an ASNT Research Fellowship, the Young NDT Professional Award and the Mentoring Award and is the 2016 recipient of the Charles N. Sherlock Meritorious Service Recognition. She also helped create the awards for Advancement of Women in NDT, Advancement of Veterans in NDT, as well as the William F. Via Lifetime Service Award for Bridge NDT.

Additionally, **Ms. Miceli** is the Secretary on the Board of Directors for the American Aerospace Technical Academy, which provides free NDT training to Veterans and disadvantaged young adults in the Los Angeles area.

**Ms. Miceli** is a Chartered Engineer and Member of BINDT, an invited member of ISHMII, currently serving on the ASTM E07.10 committee and the editorial board of the Journal for Civil Engineering. Ms. Miceli obtained her M.S. from Virginia Tech her B.S. from The Johns Hopkins University.

**Ms. Miceli** has appeared on **Modern Marvels (History Channel)**, **Fox News**, Fox's Morning Show with Mike and Juliet, WNBC, ABC.com, CBS-KDKA, as well as in USA Today, CNN Money, and the Wall Street Journal, amongst others. Ms. Miceli is a social media pioneer in the NDT field and created, produced, and launched the social media-based NDT awareness campaign **#whyINDT** on various platforms as well as the Flaw Photo Friday trend on LinkedIn.

## Meeting Details

**Tuesday, April 3<sup>rd</sup>, 2018**  
**BOD Meeting 5:00-5:30PM**  
**Social time 5:30-6:15 PM**  
**Dinner 6:30-7:30 PM**

**Presentation begins 7:30PM** in the "Lord Jim Room" of the Best Western Seven Seas' Restaurant. 411 Hotel Circle S, San Diego, 92108

**Meals to include:** Salad, Bread served in baskets, **Dessert**, Coffee, Decaf, Hot or Iced Tea.

The meal choices for the April 3<sup>rd</sup> meeting are: **Pork Chop** or **Grilled Salmon** should you have special dietary need **Vegan** or **Vegetarian Plate** is available on request prior to meeting date. Please contact **Larry Olsen** at

619-444-2319 or at the e-mail below:

[sd-asnt@cox.net](mailto:sd-asnt@cox.net)

**Please RSVP by the end of business March 30th, 2018, the Friday preceding the meeting with your intent to attend and meal choice.**

[www.bw7seas.com](http://www.bw7seas.com)

**Meeting Attendance at presentation only is no cost**

**Meeting Dinner Cost:**

**San Diego Section**

**ASNT Student Member,**

**Military and Retired Members: \$10.00**

**ASNT Members and Guests: \$25.00**

**Save the date**  
**May 1<sup>st</sup> 2018**  
**Science Fair**  
**winner's**  
**To Speak at**  
**the meeting.**



# Between the Cracks

## Meeting Report Vendor's Night March 6th, 2018

**March 06, 2018 the San Diego Section** hosted the **6th Section Technical Meeting** of the **2017 – 2018** year. The meeting was held at the **Seven Seas Lodge**, 411 Hotel Circle South, San Diego, CA with 35 members and guests in attendance. This was **Vendor's Night**, and there were 12 vendors' supporting this event.

Vendor's covered a wide range of products for applications of the basic NDT methods as well as emerging technologies. Vendor's were: **MPM Products, Met-L-Chek, Chemetall, Sherwin Inc. Fuji Film, Inspection Technologies Inc., Uni-West, EddyFi, Yxlon, Olympus, Kimtron Inc. & NDT Enterprises**. Members and section guests interacted with the vendors on products and new technologies.

Section Chair, **Denise McKay** presented each vendor a **Certificate of Appreciation** for their efforts and supporting the San Diego Section. The evening concluded with the customary raffles. Raffle prizes were provided by: **Met-L-Chek, Inspection Technologies, Fuji Film, Sherwin Inc,** and the **San Diego Section**. The San Diego Section wishes to thank all in attendance for a great event.

**INSPECTION TECHNOLOGIES**



INCORPORATED

"Instruments for nondestructive testing and quality control"

Randy Jones ext. 124  
 Jay Schraan ext. 123  
 2701-A N. Towne Ave., Pomona, CA 91767  
**(909) 626-2600**  
 Fax (909) 626-3540  
 www.inspectiontechnologies.net

- MT Equipment/Supplies
- PT Equipment/Supplies
- Conductivity Testers/Blocks
- UT/ET Instruments/Probes
- Test Blocks/Standards/Cables
- UT Immersion Systems
- X-Ray Equipment/Supplies
- Image Intensifiers
- Used NDT Equipment
- Fiberscopes/Borescopes
- Video Systems/Accessories



**WEST COAST**  
**INSPECTION SERVICES**  
 SPECIAL INSPECTION, NDT

5575 Magnatron Blvd. Ste. D | San Diego, CA 92111  
 Office: 619.326.4405  
**www.wcis-corp.com**



NDT Training, Level I, II, III & Level III Services  
 "When only the Best is good enough"  
**Cathy Harvey, Office Manager**  
 193 Viking Ave., Brea, CA 92821, USA  
 Ph. (714) 255-1500 Fax. (714) 255-1580  
 Email: ndttrain@aol.com Web: www.testndt.com





# Between the Cracks

## 2017-2018 Technical / Administrative Program

### San Diego Section of the American Society for NDT, Inc.

#### 2017:

**September 5<sup>th</sup>:** Doug Davies, Element Materials Technology, Rancho Dominguez, *"When We Get it Wrong Why NDT Matters"*.

**October 3<sup>rd</sup>:** Matt Roberts, Virtual Media Intergeration, LTD, *"A Close-up Look at Computed Radiography: Past, Present and Future"*

**October 30<sup>th</sup>— November 2<sup>nd</sup>:** ASNT Annual Conference 2017 at Gaylord Opryland Resort & Convention / Nashville, Tennessee. Awards to be given to four of the Members.

**November 7<sup>th</sup>:** Mark Bell, Bell Metallurgy, *"Role of NDT in Metallurgical Failure Analysis"*

**December 5<sup>th</sup>:** Ms Mary Jo Davis Christmas Event— Spouses / Companion / Guest night: All spouses (significant others) will have dinner provided by the section. Each person in attendance to bring a wrapped white elephant gift (\$10.00 - \$15.00)

#### 2018:

**January 2<sup>nd</sup>:** (Dark—No Meeting)

**February 6<sup>th</sup>:** "Past Chairman's Night", Michael McGloin, *"Home Inspection"*

**March 6<sup>th</sup>:** Vendor's Night

**March 26<sup>th</sup> - 29<sup>th</sup>** ASNT 27<sup>th</sup> Research Symposium 2017. Double Tree at Universal / Orlando, Florida

**April 3<sup>th</sup>:** Marybeth Miceli *"Recent ASNT Initiatives"*

**May 1<sup>st</sup>:** "Annual Science Fair Awards" (NDT-related projects).

**June (TBA) :** Denise McKay, Change of Gavel

## Western Instruments

Established 1965



### PORTABLE MPI EQUIPMENT



Phone: 780-459-6920  
info@westerninstruments.com  
www.westerninstruments.com

- Ultrasonic Testing Including AIRSCAN®
- Eddy Current Testing
- Systems Manufacturing
- Qualified Personnel
- Prime Quality Approvals



Visit us on the Web at  
[www.qmi-inc.com](http://www.qmi-inc.com)



Quality Material Inspection, Inc.

5442 Oceanus Drive  
Huntington Beach, CA 92649 USA  
Phone: (714) 903-4500  
Fax: (714) 903-4550

Email: [sales@qmi-inc.com](mailto:sales@qmi-inc.com)

## Chemetall

expect more<sup>+</sup>

now part of BASF Group

**Phil Fetto**  
Technical Sales Manager  
Southwest Region

Chemetall US, Inc.  
Toll Free: 877-941-3800  
phil.fetto@chemetall.com · www.chemetallUS.com  
Cell: 949-226-0377

**RICHARD RIDENOUR**  
National Sales Manager  
rridenour@magnaflux.com

155 Harlem Avenue, Glenview, IL 60025  
224.661.8665 P 630.432.5644 M



[WWW.MAGNAFLUX.COM](http://WWW.MAGNAFLUX.COM)

## PH TOOL

Reference Standards  
Calibration Blocks



267-203-1600 / [www.phtool.com](http://www.phtool.com) 6021 Easton Road / Pipersville, PA 18947



# Between the Cracks

## 2017 - 2018 NDT Educational Opportunities

We have posted a list of potential training courses for the 2017-2018 year (August through June).

Please contact **Education Chair - Larry Olsen** with your requests, which he will attempt to accommodate if we obtain sufficient volunteer instructors for **Saturday** lectures. Please note instructors are not paid; however, they get recertification points if they hold ASNT/ACCP Level III.

Contact: Larry Olsen Email — [sd-asnt@cox.net](mailto:sd-asnt@cox.net)

Home 619-444-2319 Cell 619-228-5449

To promote the general advancement of the [NDT] industry;

- ◆ To educate the public in the area of nondestructive testing;
- ◆ To provide a forum for exchange of [NDT] technical information;
- ◆ To facilitate training, education and research in the [NDT] field;
- ◆ To engage in any and all lawful activities incidental to the foregoing purposes except as restricted herein.

Level I & Level II courses satisfy the requirements of SNT-TC-1A/NAS-410. **Non-member fees** (which includes a one-year ASNT membership). **24, 32, and 40-hour courses:** held **Saturdays, 8:00 to 5:00** unless facility or instructor availability are different.

- ◆ **Visual/Dimensional Level I / Level II** (24hrs)
- ◆ **VT** (24hrs) **Members:** \$425 **Non-member:** \$500
- ◆ **Liquid Penetrant Level I / II** (32 hrs)
- ◆ **PT - I / II** (32 hrs) **Members:** \$750 **Non-member:** \$825
- ◆ **Magnetic Particle Level I / II** (32 hrs)
- ◆ **MT - I / II** (32 hrs) **Members:** \$750 **Non-member:** \$825
- ◆ **Ultrasonic Level I** (40 hrs)
- ◆ **UT - I** (40hrs) **Members:** \$600 **Non-member:** \$675
- ◆ **Ultrasonic Level II** (40 hrs)
- ◆ **UT - II** (40hrs) **Members:** \$600 **Non-member:** \$675
- ◆ **Radiography Level I** (40 hrs)
- ◆ **RT - I** (40hrs) **Members:** \$600 **Non-member:** \$675
- ◆ **Radiography Level II** (40 hrs)
- ◆ **RT - II** (40hrs) **Members:** \$600 **Non-member:** \$675

### Year End Cash Raffle \$250.00

will be drawn at the **May Meeting**.

When you purchase a dinner you will receive a raffle ticket. The more meetings you attend the more possible tickets will have entered into the drawing.

**You must be present at the MAY MEETING to win.**



Worldwide Training Provider

a Rockwood Company

**Michael V. McGloin**  
Manager - Pacific

office: +1.714.956.2274  
fax: +1.714.956.2277  
email: [mmcgloin@helliendt.com](mailto:mmcgloin@helliendt.com)  
[www.helliendt.com](http://www.helliendt.com)

**Hellier**  
2051-8 East Cerritos Avenue, Suite A  
Anaheim, CA 92806  
USA



Value from Innovation

**David Waitt**  
Account Manager  
NDT Systems Group

### FUJIFILM North America Corporation

Industrial and Corporate New Business Development Division  
200 Summit Lake Drive Phone 914.789.8869  
Valhalla, NY 10595.1356 Cell 714.330.1952  
Email [dave.waitt@fujifilm.com](mailto:dave.waitt@fujifilm.com)  
[www.fujifilmusa.com](http://www.fujifilmusa.com)

**FLAWTECH**

Global Provider of Custom & Code Specific Flawed Specimens for Training, Qualification, and Procedure Development

[www.FlawTech.com](http://www.FlawTech.com) (704) 795 4401 Concord, NC USA

**Michael L. White**



PENETRANT PROFESSOR APPROVED  
**NDT Inspection Materials**

1639 Euclid Street, Santa Monica, CA 90404  
Phone: (310) 450-1111 Fax: (310) 452-4046  
Email: [info@met-l-chek.com](mailto:info@met-l-chek.com)





# Between the Cracks

## Save the Date: May 1, 2018 Speakers

The 64th Greater San Diego Science and Engineering Fair Judging took place on March 14, 2018. This is the San Diego Section ASNT 20th year to participate. These judges gave some time both on March 13 and 14, 2018. Denise McKay (10 years judging), William Harris and Sarah Olsen (20 years judging), all three met on Preview night looked at the projects available. This saves valuable time on the day of the judging since we do not have a lot of time to interview the students. Sarah prints out a sheet with the projects we selected to interview these students. This year we had selected 16 projects to interview. We go over their Hypothesis, Abstract, and Conclusion, before we put them on the list. We chose these very capable and talented students as our winners.

**Christopher Do**, attends Rhoades School, Grade 7, his Advisor is Roxanne Hunker. His project was **“Exploring a Novel Application of Ferrofluid for Structural Stability”**. His awards were from **GSDSEF** Category Placement: **Second Place** and The American Society for Non Destructive Testing (San Diego Section).

**Nadia Salah**, attends Islamic School of San Diego, Grade 8, her Advisor is Arwa Alkhwaja. Her project was **“Which Oil Makes the Best Ferrofluid”**. Her awards were from **GSDSEF** Category Placement: **First Place**, American Chemical Society, San Diego Section, American Society for Non Destructive Testing (San Diego Section), Society of American Military Engineers, and she was a **Sweepstakes Runner- Up in Junior Division Physical Sciences**.

**Shreya Ranganath**, attends Bonita Vista HS, Grade 11, her Advisor is Michelle Mardahl. Her project was **“Boron Carbide Coated in Situ Reinforced Titanium Matrix Composite”**. Her awards were from **GSDSEF** Category Placement: **Second Place**, American Society of Mechanical Engineers, Association for Women in Science, San Diego Chapter, American Society of Materials International, San Diego Chapter, American Society for Non Destructive Testing (San Diego Section), USN - ONR (US Navy Science and Technology) / Naval Science Awards Program (NSAP), and Society of Women Engineers - San Diego County Section.

**PARKER**  
Magnetic Particle Inspection Instruments

PL - Case Super Tuff plastic carrying case for Contour Probe and accessories. Kit items are also available with dry powder, wet fluorescent inspection medium, and black light.

DA600 - A.C./D.C. Contour Probe. Available in various kit forms. May be ordered with the Y500 Yoke Light at extra cost.

B110 - Shown with "A" Kit items. Kit items are available with dry powder and wet fluorescent inspection mediums, including black light and steel carrying case.

BA210 - Portable, stand alone battery bracket 110VAC power supply. Operate A.C. Yokes when normal power sources are unavailable. Contour Probe sold separately.

DA200 - A.C./D.C. Contour Probe. Model A210 available for A.C. only operation.

B100 - A.C. Contour Probe. Our most economical. May be ordered with the Y400 Yoke Light at extra cost.

B200 - A.C. Contour Probe. May be ordered with the Y500 Yoke Light at extra cost.

DA750 & DA1500 - Portable Mag units. Heavy duty 750 or 1500 AMP. Available with all accessories.

P.L.I. & P.L.I.D. - Magnetizing Coils. 6" & 10" I.D. Complete with Carrying Case.

P.O. BOX 1406, DUNEDIN, FLORIDA 34697 USA  
Phone: 727-798-4006 Fax: 727-797-3941 Email: sales@parkerndt.com  
www.parkerndt.com  
1-800-525-3935

**MPM**  
Products, Equipment, Service & Calibration  
for Non-Destructive Testing

1718 E. Grevillea Court  
Ontario, CA 91761

**Dan Buchanan** Mobile (909) 821-2241  
Vice President (800) 429-0128  
danbuchanan@mpmproducts.com (909) 947-8464  
www.mpmproducts.com Fax (909) 947-3257

**SHERWIN**  
INCORPORATED

Arnold G Marquez  
Sales Manager

5530 Borwick Avenue  
South Gate, CA 90280  
sherwin@sherwininc.com  
www.sherwininc.com

(562) 861-6324  
(562) 923-8370 Fax  
AGMarquezSI@aol.com

**Peter Pelayo**  
Mgr. Quality Assurance  
ASNT Level 3

**Met-L-Chek®**  
PENETRANT PROFESSOR APPROVED  
NDT Inspection Materials

1639 Euclid Street, Santa Monica, CA 90404  
Phone: 310-450-1111 Fax: 310-452-4046  
Email: info@met-l-chek.com

**TED** Test Equipment Distributors  
One Complete NDT Source

**Equipment • Accessories • Repair**

Nationwide Coverage  
New/Used Equipment, Repairs, Parts, Rentals, PM,  
Calibrations, Installation/Removal, Silver Recovery

(800) 962-1788 www.tedndt.com



# Between the Cracks

## San Diego Section Board of Directors



San Diego Section  
Members of ASNT  
This is a Call For Nomination  
of Officers and Directors for  
2018 – 2019.

The Electronic Ballot will be distributed in **April 2018** for your vote.

Nominations will be published and placed on the electronic ballot.

Nominations needed:

**Chair:**

**Vice Chair:**

**Treasurer:**

**Secretary:**

**Director at Large:**

**Director at Large:**



The nomination requests from the membership, please provide your nominations to the following Nomination Committee Members.

**Chair: Denise McKay** [poppydancer@yahoo.com](mailto:poppydancer@yahoo.com)

(619)964-1613

**Ramon Thomson** [ramonjthomson@gmail.com](mailto:ramonjthomson@gmail.com)

(619)822-8185

**William Harris** [wilwelder41@aol.com](mailto:wilwelder41@aol.com)

(619)940-3340




**NDT Seals, Inc.**

Zac Sebren  
Director

PO Box 52878 Houston, TX 77052-2878 USA  
tel 713.222.7584 cell 281.995.7916 fax 713.222.9404  
[zac@ndtseals.com](mailto:zac@ndtseals.com)

**NDT TRANSDUCERS, LLC**  
[ndt-transducers.com](http://ndt-transducers.com)  
**(480) NDT-2400**

**NDT**  
Transducers

**Ultrasonic Transducers for  
Nondestructive Testing**

**Serban Calciu, Owner**

INDUSTRIAL X-RAY IMAGING SYSTEMS SALES, SERVICE AND DESIGN.



**WILLICK**  
ENGINEERING

12516 LAKELAND RD  
SANTA FE SPRINGS, CA 90670  
[DAN@WILLICK.COM](mailto:DAN@WILLICK.COM)  
562-946-4242

**DAN GUERRERO**  
PRESIDENT

RT, DIGITAL LEVEL III, NAS 410



**Test Equipment Distributors, LLC**  
Equipment Accessories & Supplies for Nondestructive Testing

**CHERYL DUFUR/RAMIREZ**  
Sales Engineer

WESTERN LOCATION  
1844 W. 11TH STREET  
UNIT. E  
UPLAND, CA 91786

CUSTOMER CARE CENTER  
1959-D PARKER COURT  
STONE MOUNTAIN, GEORGIA 30087  
800-962-1788  
FAX: 770-978-0115  
CELL: 714-366-4744

[www.tedndt.com](http://www.tedndt.com) Email: [cheryld@tedndt.com](mailto:cheryld@tedndt.com)



*HD-CR 35 NDT Computed Radiography System*

# THE BEST CR-RESOLUTION!

### *Intuitive handling*

*Easy transition from film*

### *DICONDE · ISO · ASTM*

*Compliant to all relevant standards*

### *Unique 30 µm SRb\**

*Certified Basic Spatial Resolution*

### *Lightweight and rugged*

*Only 38.6 lbs system weight*



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  
562-946-4242

*Digital Intelligence - Ready to Change.*  
www.duerr-ndt.com  
info@willick.com





## **NDT Training, Scheduled courses for January – December 2018**

### **Greatly Expanded Schedule of Classes for 2018**

We will be Scheduling **WEEKEND TRAINING COURSE** please contact Cathy for dates

#### **NDT Level I and II Courses**

##### **Magnetic Particle Level I/II SNT-TC-1A**

(24 hours) \$845  
January 22-24, March 5-7,  
April 9-11, April 30-May 2, July 16-18, August 6-8,  
September 10-12, December 3-5

##### **Penetrant Level I/II SNT-TC-1A**

(16 hours) \$695  
January 25-26, March 8-9,  
April 12-13, May 3-4, July 19-20, August 9-10,  
September 13-14, December 6-7

##### **Ultrasonic Testing Level I**

(40 hours) \$1295  
January 8-12, March 12-16,  
April 16-20, May 7-11, July 23-27,, August 13-17,  
September 17-21, December 10-14

##### **Ultrasonic Testing Level II**

(40 hours) \$1295  
January 15-19, March 19-23, April 23-27,  
May 14-18, July 30-August 3, August 20-24,  
September 24-28, December 17-21,

##### **Radiation Safety (IRRSP Preparation)**

(40 hours) \$1295 (Approved by State of CA)  
January 29-February 2, June 4-8, October 1-5

##### **Radiography Testing Level I**

(40 hours) \$1295  
February 5-9, June 11-15, October 9-12

##### **Radiography Testing Level II**

(40 hours) \$1295  
February 12-16, June 18-22, October 15-19

##### **Film Interpretation (40 hours) \$1295**

TBA

##### **Eddy Current Testing Level I (40 hours) \$1295**

March 26-30, October 22-26

##### **Eddy Current Testing Level II (40 hours) \$1295**

April 2-6, October 29-November 2

##### **Visual Testing Level II (24 hours) \$845**

January 3-5

#### **Phased Array Training**

**These are Level I and II UT PA courses to meet the SNT-TC-1A (2011) certification requirements**

##### **Introduction to Phased Array, (16 hours) \$1195**

February 19-20, November 5-6

##### **Ultrasonic Phased Array Level I (SNT-TC-1A) (40 hours)**

\$1995  
February 19-23, November 5-9

##### **Ultrasonic Phased Array Level II (SNT-TC-1A) (40 hours)**

\$1995  
February 26-March 2, November 12-16

##### **Ultrasonic Phased Array Composite Inspection**

**New for 2018** (40 hours) \$1995  
September 4-7

#### **Back for 2018, Scheduled, ASNT NDT Level III Examination, Refresher Courses**

<b>Basic Level III</b> – Includes text book package worth over \$300 (40 hours) \$1395	May 21-25
<b>Eddy Current Level III</b> (24 hours) \$995	August 27-31
<b>Visual Testing Level III</b> (16 hours) \$795	November 27-28
<b>Magnetic Particle Level III</b> (16 hours) \$795	September 4-5
<b>Penetrant Level III</b> (16 hours) \$795	September 6-7
<b>Radiography Level III</b> (24 hours) \$995	July 9-11
<b>Ultrasonic Level III</b> (40 hours) \$1395	June 25-29

#### **Additional “Ad Hoc” NDT Training Courses**

*Please call for dates for the below courses*

<b>Magnetic Particle Level II NAS 410</b> (32 hours) \$1195
<b>Penetrant Testing Level II NAS 410</b> (32 hours) \$1195
<b>Ultrasonic Thickness Testing</b> (40 hours) \$1295
<b>Digital Radiography Testing</b> (40 hours) \$1995
<b>Eddy Current Array Aerospace</b> (40 Hours) \$1995

#### **Back for 2018**

**CWI Examination Preparation Course** (40 hours) \$1595

Note: This will be scheduled over 4 (10 Hour) Saturdays.

**Qualification Examinations prepared, and administered, procedures written, level III outside agency services and contracts available.**

**Any of our courses can also be held at your facility just for your staff. Call for details**

**OUR POLICY IS NOT TO CANCEL COURSES IF YOU ENROLL & PAY 2 WEEKS IN ADVANCE**

For questions or to enroll contact us at [www.testndt.com](http://www.testndt.com), email [ndttrain@aol.com](mailto:ndttrain@aol.com), Ph (714) 255-1500