**Board of Directors:**
- **Chairman:** Denise McKay
  - poppydancer@yahoo.com
- **Vice Chairman:** Ramon Thomson
  - ramonjthomson@gmail.com
- **Treasurer:** Aurapong (Jerry) McAnulty
  - mcanultyaj@yahoo.com
- **Secretary:** Michael Diaz
  - mikediaz05@gmail.com
- **Past Chairman:** Aurapong (Jerry) McAnulty
  - mcanultyaj@yahoo.com
- **Directors-at-Large:**
  - William Harris
  - wilwelder41@aol.com
  - John Morris
  - honor1man@yahoo.com
  - Juan Carlos Macpherson
  - macj03@hotmail.com
  - Larry Olsen
  - sd-asnt@cox.net
  - Hans Weber
  - hansweber@earthlink.net
- **San Diego Section of the American Society for Non-Destructive Testing, Inc.**
  - bod@sd-asnt.org
  - Website: www.sd-asnt.org

**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.

**Meeting Details**
- **Tuesday, May 1st, 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 May 1st meeting are**: **Salisbury Steak** or **Hawaiian Chicken** should you have special dietary need. **Vegan or Vegetarian Plate** is available on request prior to meeting date. Please contact Denise McKay at
  - The e-mail below:
    - poppydancer@yahoo.com
    - **Please RSVP** by the end of business **April 27th, 2018**, the **Friday preceding the meeting** with your intent to attend and meal choice.
  - 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

**Science Fair Winners are the Speakers for May 1st**

- **Christopher Do**, attends Rhodeses 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).
  - Ferrofluid is a magnetic fluid that becomes a solid mass when under the influence of a magnetic field. I wondered whether this property could be applied to the problem of stabilizing buildings in an earthquake. I believe that ferrofluid can be used to stabilize buildings. As the building is constructed, magnets and ferrofluid could be placed where the building will most likely experience the greatest stress.

- **Nadia Salah**, attends Islamic School of San Diego, Grade 8, her Advisor is Arwa Alkhawaja. 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**.
  - Ferrofluid has unique properties because the iron-oxide particles are magnetic, therefore the fluid can be controlled by a magnetic field.
  - Ferrofluid technology is well established and capable of solving a wide variety of problems. It enhances the performance of the device it’s used for, but store-bought ferrofluid is exceedingly expensive and stains everything it comes in contact with. Additionally, it has a strikingly strong odor.

- **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.
  - My cutting-edge Phase I work on a titanium matrix composite [Ti (titanium) – TiB (titanium boride) – TiC (titanium carbide)] offers the potential for cost-efficient production route since the two types of ceramic reinforcements - TiB and TiC - are produced directly and instantaneously during the reaction process in the titanium metal matrix. In addition, this approach minimizes the reinforcement damage frequently encountered in powder metallurgy processes. The likely result is a good interfacial bond strength between the matrix and the ceramic reinforcements, and refinement of grain size.

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  - ASNT Student Member, Military and Retired Members: $10.00
  - ASNT Members and Guests: $25.00
April 03, 2018 the San Diego Section hosted the 7th 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 22 members and guests in attendance.

The speaker for this event was Ms. Marybeth Miceli, ASNT Director. The title of her talk is ASNT initiatives in various areas. Ms. Miceli spoke on “ASNT Activities” and from various departments; Certifications, with the online examination process, Membership campaigns, ASNT participation in STEM and Section Operation Council activities. Her talk was well received by all in attendance. Section Chair; Denise McKay presented Marybeth with a Certificate of Appreciation and a Clock from the San Diego section.

The evening concluded with the customary Monthly Raffle. Prizes were sponsored by David Waitt Fuji Film, Marybeth Miceli, and the San Diego section.
2017-2018 Technical / Administrative Program

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

2017:

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


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

November 7th: Mark Bell, Bell Metallurgy, *Role of NDT in Metallurgical Failure Analysis*

December 5th: 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 2nd: (Dark—No Meeting)

February 6th: “Past Chairman’s Night”, Michael McGloin, *Home Inspection*

March 6th: Vendor’s Night

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

April 3rd: Marybeth Miceli “Recent ASNT Initiatives”

May 1st: “Annual Science Fair Awards” (NDT-related projects).

June (TBA) : Denise McKay, Change of Gavel
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
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 1st, 2018 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 1st, 2018 MEETING to win.

Change of Gavel
to be announced for June
Date, Place and Time
San Diego Section Board of Directors

San Diego Section
Members of ASNT
This is Nominations of Officers and Directors for 2018 – 2019.

The Electronic Ballot were distributed in April 15, 2018 for your vote. Please vote by May 1st, 2018. Please follow Instructions on your ballot received.

Nominations were placed on the electronic ballot.

Nominations are:

Chair: Ramon Thomson
Vice Chair: Michael Diaz
Treasurer: Aurapong (Jerry) McAnulty
Secretary: William Harris
Director at Large: Gary Bass
Director at Large: Erik Roed
These three are still on the Board:
Past Chair: Denise McKay
Hans Weber
Larry Olsen

NDT Seals, Inc.

Zac Sebren
Director
PO Box 52878 Houston, TX 77052-2878 USA
tel 713.222.7564 cell 281.995.7915 fax 713.222.9404
zac@ndtseals.com

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Santa Fe Springs, CA 90670
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562-946-4243

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# 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

**Ultrasound 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

**Ultrasound 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

**Ultrasound Phased Array Level I (SNT-TC-1A)**
- 40 hours $1995
- February 19-23, November 5-9

**Ultrasound Phased Array Level II (SNT-TC-1A)**
- 40 hours $1995
- February 26-March 2, November 12-16

**Ultrasound Phased Array Composite Inspection**
- New for 2018 (40 hours) $1995
- September 4-7

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

**Basic Level III** — includes test book package worth over $300 (40 hours) $1395
- May 21-25

**Eddy Current Level III**
- 24 hours $995
- August 27-31

**Visual Testing Level III**
- 16 hours $795
- November 27-28

**Magnetic Particle Level III**
- 16 hours $795
- September 4-5

**Penetrant Level III**
- 16 hours $795
- September 6-7

**Radiography Level III**
- 24 hours $995
- July 9-11

**Ultrasound Level III**
- 40 hours $1395
- June 25-29

### Additional “Ad Hoc” NDT Training Courses

**Please call for dates for the below courses**

**Magnetic Particle Level II NAS 410**
- 32 hours $1195

**Penetrant Testing Level II NAS 410**
- 32 hours $1195

**Ultrasonic Thickness Testing**
- 40 hours $1295

**Digital Radiography Testing**
- 40 hours $1995

**Eddy Current Array Aerospace**
- 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, 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**

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**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, Ph (714) 255-1500