## Board of Directors:

**Chairman:**
Michael Diaz  
mike.diaz05@gmail.com

**Vice Chairman:**
William Harris  
willwelder41@aol.com

**Treasurer:**
William Harris  
willwelder41@aol.com

**Secretary:**
Erik Roed  
ericroed@gmail.com

**Past Chairman:**
Ramon Thomson  
ramonjthomson@gmail.com

**Directors-at-Large:**
Gary Bass  
gbass@chromalloy.com
Cody Engstrand  
Cody.Engstrand@ga-asi.com
Rachel Gilmore  
fosterrp@aol.com
Denise McKay  
poppydancer@yahoo.com
Larry Olsen  
sd-asnt@cox.net
Hans Weber  
hansweber@earthlink.net

San Diego Section of the American Society for Non-Destructive Testing, Inc.
sdasnt@gmail.com

Website:
www.sd-asnt.org

---

## Message from Chairman Michael Diaz - May 4th, 2020

**MEMBER UPDATE: LETTER FROM CHAIRMAN MICHAEL DIAZ REGARDING COVID-19; IMPACT ON 2020 MEETING / EVENTS**

May 4, 2020

Dear members,

In accordance with the State of California and the Governor’s Stay-At-Home-Order as well as guidelines established by the Centers for Disease Control (CDC) and the California Department of Public Health, the suspension of ASNT San Diego Section programs and activities **continues** until further notice. Unfortunately this will include our May 5, 2020 meeting.

The ASNT San Diego Section Board of Directors agreed to extend this suspension during its monthly board meeting held on Saturday April 18, 2020 in compliance with the Stay-At-Home Order signed by the Governor on March 19. Governor Newsom also made it clear that there is a “roadmap” that we must follow in order to reopen the economy and public services in a multi-phase approach. You can view more information about this here. [https://www.gov.ca.gov/wp-content/uploads/2020/04/Update-on-California-Pandemic-Roadmap.pdf](https://www.gov.ca.gov/wp-content/uploads/2020/04/Update-on-California-Pandemic-Roadmap.pdf)

The suspension covers all ASNT San Diego Section events and activities including, but not limited to, Monthly Meetings and Education. ASNT San Diego Section is actively monitoring national and state organizations and we will continue to evaluate the circumstances associated with COVID-19 and update our status to members as conditions change and will communicate updates on our website and via email. Please check our website at: [www.sd-asnt.org](http://www.sd-asnt.org) for continued updates and information related to the Coronavirus and activities throughout this period.

We thank you for your ongoing support as we manage our Section during this time. The safety and security of our community is, and will always be our highest priority. We look forward to seeing you all soon, once conditions permit. Until then, please stay healthy and safe!

Sincerely,

Michael Diaz  
Chairman  
ASNT San Diego Section

---

## Meeting Details

**Meeting Canceled due to COVID-19 Restrictions.**

All Meetings canceled until further notice

**www.bw7seas.com**

411 Hotel Circle S, San Diego, 92108

**May 5th meeting are:**

Meeting Canceled due to COVID-19 Restrictions.

Look for upcoming notices of the next Section Meeting on the website and letters being sent to membership.
No Meeting Report for April—COVID-19

Lets Remember our Veterans, Heroes, Nurses, Doctors,

Grocery workers, Postal workers,

Emergency Staff-Police, Fire Fighters,

Ambulance personnel

Thank You to one and ALL.

Year End Cash Raffle $250.00
will be drawn at the September 1st, 2020 Meeting. When you purchase a dinner you will receive a RED raffle ticket. The more meetings you attend the more possible RED raffle tickets you will have to be entered into the drawing.

You must be present at the SEPTEMBER 1st, 2020 MEETING to win.
2019-2020 Technical / Administrative Program

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

2019:

September 3rd: Albert Liang, “3D Ultrasonic Imaging of Structures Using SAFT and Wave Compounding with Application to Rail”.

October 1st: Randy Jones, “Corrosion Is Where You Find It”.


November 18th—21st, 2019 ASNT Annual Conference 2019 - Westgate Las Vegas Resort and Casino / Las Vegas, Nevada

December 3rd: Sgt. Greg Hampton - San Diego Sheriff’s Office - Sheriff’s Bomb/Arson Unit - “Rising to the Challenge: Investigations Involving Bomb/Arson Threats in San Diego County”. Christmas Event-Spouse / 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)

2020:

January 7th: (Dark-No Meeting)


March 3rd: Michael Mc Gloin “Value of Mentoring”


April 7th: Mark Bell “What is Important in Metallurgical Failure Analysis, including NDT”; Meeting Canceled due to COVID-19 Restrictions.


June (TBA) : Michael Diaz, Change of Gavel

Watch for upcoming notices for next Section Meeting

September 1st: 2020 Science Fair Winners and Year End Cash Raffle-

9 - 12 November 2020 - ASNT Annual Conference 2020 Disney’s Coronado Springs, Lake Buena Vista, FL.
2019 - 2020 NDT Educational Opportunities

We have posted a list of potential training courses for the 2019-2020 year (August through June).

Please contact Education Chair - Gary Bass 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: Education Chairman Gary Bass
Email - gbchulavista@AOL.com
Phone - 619-794-6118 mobile

Chairman Michael Diaz
Email - mike.diaz05@gmail.com
Phone 619-890-4134 mobile

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

Credit Cards accepted with a Processing Fee.
Our first student is Mr. Francisco Catanzaro. He is a Junior from Cathedral Catholic High School. His advisor is Marjan Rafie. The title of his project is “Determining Plastics with a Grating Spectrometer”. Optical spectroscopic techniques offer accurate ways of identifying plastics. The use of spectrometers creates significant advantages for determining the identity of plastics and mixtures in the plastic. Using a spectrometer also uses fewer materials to test the object, and can be tested from afar without the need for chemical vats or other labor-intensive sorting methods. Infrared (IR) spectroscopy is well suited to the analysis of polymer materials such as common household plastics like polypropylene. The intent of this project is to determine if a diffraction grating spectrometer is able to detect the differences between plastics. I believe that the diffraction grating spectrometer will be able to distinguish between different varieties of plastics and be able to successfully determine the polymer composition of a plastic to distinguish recyclable plastics from non-reusable plastics.

Our next student is Mr. Nathan McKinney. He is an Eighth grader at Good Shepherd Catholic School. His advisor is Mary Anne McNeil. The title of his project is “Mapping the Field of an Electromagnet”. Five different electromagnets were constructed with coiled copper wire: two circular, one rectangular, one figure-8, and one circular electromagnet with equal numbers of clockwise and counterclockwise turns. All magnets were constructed with 10 turns, excepting one circular magnet with twenty. Voltage applied to each electromagnet induces a current which in turn generates a magnetic field. This magnetic field can then be measured in two ways. The first is sprinkling iron filings onto a paper elevated above the electromagnet. The iron filings will align along the magnetic field lines and create a picture of the magnetic field. The second way is to attach a permanent neodymium magnet to an electronic scale.
San Diego’s Metorious Service Award
The San Diego Award was established 1998-1999 Award for Outstanding Mentorious Service was established to recognize those people in the San Diego Section who have bettered the Section over the Society by working to encourage others to reach goals they may have otherwise not sought, and to offer the rest of the San Diego membership an example of what they could be accomplishing by acting as Mentors within the Section. Note: Cannot be current Chairman of the San Diego Section.

Contact the Awards Committee Chair: Larry Olsen or any San Diego Section BOD member for further information on how to nominate any individual by 1 June 2020.

Please note: All nominees must be nominated by a San Diego Section Member 500 hundred words or less. San Diego Section-ASNT’s goal is to recognize the individual member who has taken the NDT/NDE career path and is dedicated to making the world a safer place. Please help to encourage our fellow SD-ASNT members by nominating someone!

San Diego Section Board of Directors
The San Diego Section Board is Announcing the officers and directors-at-large for the 2020-2021 year.

Chairman: Gary Bass
Vice Chairman: Cody Engstrand
Treasurer: Cody Engstrand
Secretary: Rachel Gilmore
Past Chairman: Michael Diaz
Directors-at-Large:
Hans Weber
Ramon Thomson
Denise McKay
William Harris
Eric Roed
To be rescheduled at a later date

Mark Bell, PE, is a graduate of Cal Poly in Metallurgical Engineering. He is owner of Bell Metallurgy, in San Diego, CA. He has metallurgical experience in factories and in construction regarding welding, corrosion wear, NDT and failure analysis. 1984 was the year he became a full time, independent consultant. He has taught AWS CWI Classes nationwide. He has been CWI with endorsements in D1.1, D1.5 and API 1104. Mark travels and teaches classes for ASM in Failure Analysis, Corrosion, Welding and Metallurgy for the Non-Met. He served on the Board of Directors for the AWS from 1992 to 2004. He has held Level III certifications in methods: MT, VT and PT in accordance with TC1A. He has used the Level III in VT for inspection and training classes in the Pharmaceutical Industry. His consulting business is in failure analysis, welding, and corrosion, located in San Diego. NDT is a key step in conducting a good Metallurgical Failure Analysis.

**Topic of his talk: “What is Important in Metallurgical Failure Analysis, including NDT”**

**Abstract:** This presentation will use case histories in conducting successful Metallurgical Failure Analysis and how the use of NDT has been an important step in the solution of problems in machinery, weldments, structures and pipelines. A lifetime of experience is the basis for the evening’s presentation of steps as being key to conducting a good metallurgical failure analysis such as:

- defining the problem,
- hands-on investigation,
- continuing to grow,
- the proper use of NDT skills,
- good communication and
- what was learned; both good decisions and mistakes.

---

Check the Website: WWW.SD-ASNT.ORG for Education Classes

Need class size of at least 5 students.
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-Tec software, you benefit from an optimal and time-saving workflow. Arrange a free demonstration and convince yourself.

Digital Intelligence – Ready to Change.
www.duerr-ndt.com
info@willick.com
**NDT Training, Scheduled courses for January – December 2020**

Greatly Expanded Schedule of Classes for 2020

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
Jan 6-8, Feb 24-26, April 13-15, June 1-3,
July 20-22, Sept 21-23, Oct 26-28, Nov 30-
December 2

**Penetrant Level I/II SNT-TC-1A**
(16 hours) $695
Jan 9-10, Feb 27-28, April 16-17, June 4-5,
July 23-24, Sept 24-25, Oct 29-30, Dec 3-4

**Ultrasonic Testing Level I**
(40 hours) $1295
Jan 13-17, March 2-6, April 20-24, June 8-12,
July 27-31, Sept 8-11, Nov 2-6, Dec 7-11

**Ultrasonic Testing Level II**
(40 hours) $1295
Jan 20-24, March 9-13, April 27-May 1,
June 15-19, Aug 3-7, Sept 14-18, Nov 16-20,
Dec 14-18

**Radiation Safety (IRRSP Preparation)**
(40 hours) $1295 (Approved by State of CA)
Jan 27-31, March 18-20, May 4-8, June 22-26,
August 10-14, Sept 28-Oct 2, Nov 30-Dec 4

**Radiography Testing Level I**
(40 hours) $1295
Feb 3-7, March 23-27, May 11-15,
June 29-July 2, Aug 17-21, Oct 5-9, Dec 7-11

**Radiography Testing Level II**
(40 hours) $1295
Feb 10-14, March 30-April 3, May 18-22,
July 8-10, Aug 24-28, Oct 12-16, Dec 14-18

**Film Interpretation** (40 hours) $1295
May 26-29, Nov 9,10,12,13

**Eddy Current Testing Level I** (40 hours) $1295
Feb 10-14, August 24-28

**Eddy Current Testing Level II** (40 hours) $1295
February 17-21, August 31-September 4

**Visual Testing Level II** (24 hours) $845
May 26-28, December 21-23

**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
March 30-31, October 12-13

**Ultrasonic Phased Array Level I (SNT-TC-1A)** (40 hours) $1995
March 30-April 3, October 12-16

**Ultrasonic Phased Array Level II (SNT-TC-1A)** (40 hours) $1995
April 6-10, October 19-23

**Ultrasonic Phased Array Composite Inspection**
New for 2020 (40 hours) $1995
May 18-22, July 13-17

**Back for 2020, Scheduled, ASNT NDT Level III Examination, Refresher Courses**

**Basic Level III** – Includes text book package worth over $300 (40 hours) $1395
July 6-10

**Eddy Current Level III** (24 hours) $995
November 23-25

**Visual Testing Level III** (16 hours) $795
November 9-10

**Penetrant Level III** (16 hours) $795
July 13-14

**Radiography Level III** (24 hours) $995
December 21-23

**Ultrasonic Level III** (40 hours) $1395
December 14-18

**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 2020**

**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, Ph (714) 255-1500