



ASNT
SAN DIEGO
SECTION

Between the Cracks

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

NEWSLETTER - Vol. 8, Issue 6 Feb.-March 2019

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San Diego Section

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

sd-asnt@cox.net

Website:

www.sd-asnt.org

Mr. Dana DuToit is the Speaker for March 5th, 2019

Our Speaker Mr. Dana DuToit is the Director of Sensing Solutions – Western USA, for Luna Innovations.

Luna Innovations develops, builds, and provides a variety of Fiber Optic sensing systems for the Structural Health Monitoring Markets. Mr. DuToit has over 30 years of experience in the fiber optic sensing area. He has held a variety of roles in business development, applications engineering, and deployment of sensor based optical fibers, cables, interconnects and sensor systems. Mr. DuToit has a Bachelor of Science, Mechanical Engineering from the University of Minnesota.

Title of the talk will be: ***"Fiber optic sensing systems for structural monitoring in the Aerospace and Automotive Markets"***. Fiber optics has been deployed in massive volumes in support of world's growing communication needs. When excited and analyzed by Luna Innovations' optical interrogators, fiber optics can provide a robust sensing platform to model and monitor for structural integrity.

As the Aerospace and Automotive markets continue to explore composite material integration into their structures for light-weighting and improved strength to weight ratios, unmet challenges have been identified to model and monitor these new materials, geometries, and joining techniques.

This presentation will highlight some specific examples where high definition, fully distributed, fiber optic sensing (HD-FOS) has been utilized as a sensing tool in these markets and applications. Point and multi-point fiber optic sensing systems will also be discussed.

Meeting Details

Tuesday, March 5th, 2018

Social time 5:00-6:00 PM

Dinner 6:00-7:00 PM

Presentation begins 7:00PM
in the **"Lord Jim Room"** of the
Best Western Seven Seas'
Restaurant.

BOD Meeting 8:00-8:45PM

411 Hotel Circle S, San Diego,
92108

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

The meal choices for the

March 5th meeting are:

Baked Lasagna w/ Italian stir
fry vegetables or **Grilled
Salmon** w/rice pilaf and
vegetables should you have
special dietary need **Vegan** or
Vegetarian Plate is available
on request prior to meeting
date.

Please leave message at **619-
729-1631** or e-mail below:

poppydancer@yahoo.com

**Please RSVP by the end of
business March 1st, 2019,
the Friday preceding the
meeting with your intent to
attend and meal choice.**

www.bw7seas.com

**Meeting Attendance at pres-
entation only is no cost**

Meeting Dinner Cost:

San Diego Section

ASNT Student Member,

Military and Retired Mem-
bers: \$10.00

ASNT Members and Guests:
\$25.00

**Save the
Date**

**April 10th
Wednesday**

**Speaker
Zeki Gokce**

Year End Cash Raffle \$250.00

will be drawn at the **May 7th, 2019 Meeting**. When you purchase a dinner you will receive a raffle ticket. The more meetings you attend the more possible tickets you will have to be entered into the drawing.

**You must be present at the MAY 7th,
2019 MEETING to win.**



Between the Cracks

Meeting Report February 5th, 2019

February 05 2019 the San Diego Section hosted the 5th Section Technical Meeting of the 2018 – 2019 year. The meeting was held at the Seven Seas Lodge, 411 Hotel Circle South, San Diego, CA with 28 members and guests in attendance.

Our Speaker for the evening was Mr. Douglas Burleigh;

Mr. Burleigh has a BS, in Physics, from Penn State University and also a MS, in Applied Physics of Materials, from Penn State University. He holds an ASNT Level 3 in Infrared Testing and has over 50 technical publications. Mr. Burleigh has worked at **General Dynamics Convair, then Space Systems Div.** He served as Lead Engineer of the Physical Properties Laboratory in the M&P department.

He also worked at **Rohr Inc.**, (became BFGoodrich Aerospace), as well as a consultant for several other companies. The Title of his talk was: **“Infrared NDT in Aerospace and other applications of IR”.**



The audience expressed its appreciation of the presentation and engaged the speaker with questions on various IR techniques /processes and how it compared to Ultrasonic and Radiography and the various applications that IR could be used.

The Section thanked Mr. Burleigh for his talk and presented him with a speaker gift and certificate of appreciation.



This also was Past Chairman’s night and there were 4 Past Chair’s in attendance: Juan Diaz (1982-1983), Jim Engel (1987-1988) Larry Olsen

(1998-1999, 1999-2000 & 2013-2014) and Hans Weber 2012-2013).

Monthly Raffle prizes were sponsored by Dave Waitt of Fuji-Film, Larry Olsen of Northrop Grumman and the San Diego Section.

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2018-2019 Technical / Administrative Program

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

2018:

September 4th: John Stewart, Executive Director of AATA, **“Evaluating the shortage of NDT Technicians in the USA”**.

October 2nd: Peter Cawley, CEO of Kimtron Inc., **“Total Cost of Ownership (TCO) of NDT X-ray Equipment”**.

October 28th-October 31st: ASNT Annual Conference 2018 at George R. Brown Convention Center / Houston, Texas.

November 6th: Dan Guerrero, Willick Engineering Company, Inc., **“Qualifying your CR System per ASTM 2445-14”**

December 4th: Mike Grubb, San Diego Sheriff Crime Lab **“A New Sheriff’s Crime Lab – and an Interesting DNA Case”** -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)

2019:

January 1st: (Dark-No Meeting-New Year’s Day)

February 5th: “Past Chairman’s Night”, Doug Burleigh; **“Infrared NDT in Aerospace and other applications of IR”**

March 5th: Dana DuToit or Ed Valigursky of Luna Inc. (Fiber Optic Systems)

April 10th: Zeki Gokce of Eddyfi **(Date Changed due to Research Symposium)**

April 1st - 4th ASNT 28th Research Symposium 2019. Hyatt Regency Orange County / Garden Grove, California

May 7th: “Annual Science Fair Awards” (NDT-related projects).

June (TBA) : Ramon Thomson, Change of Gavel

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

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Fuji NDT Systems - Huntington Beach CA

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2018 - 2019 NDT Educational Opportunities

We have posted a list of potential training courses for the 2018-2019 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

Chairman Ramon Thomson

Email ramonjthomson@gmail.com

Phone 619-822-8185

BOD - sd-asnt@cox.net BOD contact # 619-444-2319

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

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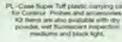
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Call for Nominations for the Board

Think of someone you might want to see
on the

**San Diego Section Board of Directors
San Diego Section Members of ASNT**

**This is a Call For Nomination
of Officers and Directors for
2019– 2020.**

The Electronic Ballot will be distributed in
April 2019 for your vote.

Nominations will be published and placed
on the electronic ballot.

Nominations needed:

Chair:

Vice Chair:

Treasurer:

Secretary:

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Director at Large:

The nomination requests from the mem-
bership, please provide your nominations
to the following. Contact Hans Weber,
Larry Olsen or Ramon Thomson with
your nominations.

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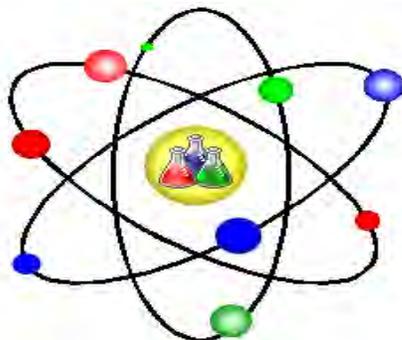
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Between the Cracks

Judge at Greater San Diego Science Fair



Please Save the date:

March 13th, 2019

Volunteers are needed for

Judging at the

Greater San Diego Science &

Engineering Fair

Preview Projects On Evening of

March 12th

Contact Denise by **February 22, 2019**

Denise McKay

poppydancer@yahoo.com



Richard Ridenour

Regional Sales Manager

rridenour@magnaflux.com

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Peter Pelayo

Mgr. Quality Assurance

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NDT Training, Scheduled courses for January – December 2019

Greatly Expanded Schedule of Classes for 2019

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
February 4-6, April 1-3, June 3-5, August 5-7,
October 7-9, December 2-4

Penetrant Level I/II SNT-TC-1A
(16 hours) \$695
February 7-8, April 4-5, June 6-7, August 8-9,
October 10-11, December 5-6

Ultrasonic Testing Level I
(40 hours) \$1295
February 11-15, April 8-12, June 10-14,
August 12-16, October 15-18, December 9-13

Ultrasonic Testing Level II
(40 hours) \$1295
February 18-22, April 15-19, June 17-21,
August 19-22, October 21-25, December 16-20

Radiation Safety (IRRSP Preparation)
(40 hours) \$1295 (Approved by State of CA)
January 7-11, April 22-26, August 26-30

Radiography Testing Level I
(40 hours) \$1295
January 14-18, April 29-May 3, September 9-13

Radiography Testing Level II
(40 hours) \$1295
January 21-25, May 6-10, September 16-20

Film Interpretation (40 hours) \$1295
January 28-February 1, May 13-17,
September 23-27

Eddy Current Testing Level I (40 hours) \$1295
March 18-22, July 15-19

Eddy Current Testing Level II (40 hours) \$1295
March 25-29, July 22-26

Visual Testing Level II (24 hours) \$845
January 2-4, July 1-3, Sept 30-Oct 2, Nov 25-27

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 4-5, October 28-29

Ultrasonic Phased Array Level I (SNT-TC-1A) (40 hours)
\$1995
March 4-8, October 28-November 1

Ultrasonic Phased Array Level II (SNT-TC-1A) (40 hours)
\$1995
March 11-16, November 4-8

Ultrasonic Phased Array Composite Inspection
New for 2019 (40 hours) \$1995
July 8-12, November 12-15

**Back for 2019, Scheduled,
ASNT NDT Level III Examination,
Refresher Courses**

Basic Level III – Includes text book package worth over \$300 (40 hours) \$1395	Feb 25-Mch 1
Eddy Current Level III (24 hours) \$995	July 29-Aug 2
Visual Testing Level III (16 hours) \$795	September 4-5
Magnetic Particle Level III (16 hours) \$795	May 20-21
Penetrant Level III (16 hours) \$795	May 22-23
Radiography Level III (24 hours) \$995	May 28-30
Ultrasonic Level III (40 hours) \$1395	June 24-28

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 2019

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

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