Mr. Dan Guerrero is the Speaker for November 6th, 2018

Mr. Dan Guerrero is involved with Willick Engineering: in the service, sales, design & management of Industrial Imaging systems for 34 years. Mr. Guerrero started Intec Systems Company; corporate computer networking, repairs, consulting.

Mr. Guerrero spent his college years at Cerritos College; he studied Electronics, Computer and Information Technology accounting and business management. He studied his Level I, II, III Radiography at TEST NDT. He is the current Corporate Level III RT+ Digital per NAS 410, ASNT-SNT-TC-1A.

Mr. Guerrero has additional factory training which includes:

- Computed Tomography: VJ Technologies, Phoenix Microfocus (Germany), Digisens (France), Volume Graphics (CT reconstruction)
- High Voltage X-ray: Spellman High Voltage, Gulmay Medical Systems, TFI Corporation, Lorad, ICM (Belgium)
- DR\CR: Orex (CR), Kodak Industrex (CR), Carestreamhealth (CR), Array Corporation (Digitizers), Durr NDT (CR/DR –Germany).

Mr. Guerrero is currently President of Willick Engineering Company, Inc.

The title of his talk is: “Qualifying your CR System per ASTM E2445-14.” He will be providing a practical explanation of the terms and methods of developing a CR qualification program in accordance with the ASTM E2445-14 standard.

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.
Speaker Mr. Mike Grubb from San Diego County Sheriffs Department Crime Lab is a 1975 graduate of the University of California, Berkeley, Forensic Science Program in the School of Criminology.

From 1975 to 1980, Mr. Grubb was a criminalist at the Institute of Forensic Sciences in Oakland, Calif.

In 1980 he moved to the Seattle area and went to work for the Washington State Patrol Crime Laboratory System, conducting casework in Trace Evidence, Firearms, Biology and Crime Scenes. Mr. Grubb became a supervisor in 1989 and eventually became the Crime Lab Director in Seattle in 1996.

In 1999, Mr. Grubb accepted the position of Crime Lab Manager at the San Diego Police Department Crime Lab, and was there 12 years before moving over to the Sheriff's Regional Crime Laboratory in December 2010.

He is a member of the American Academy of Forensic Sciences, the American Society of Crime Lab Directors, and the California Association of Crime Lab Directors. He is a former Chair of ASCLD/LAB, the international crime laboratory accrediting body.

Mike and his wife Debbie have three children and six grandchildren.

The title of his talk is; “A New Sheriff's Crime Lab – and an Interesting DNA Case”. Since 1994 the Sheriff's Regional Crime Lab has been located in the old Clairemont Hospital, a building that is now 55 years old. Deterioration of the building led to approval by the Board of Supervisors to construct a new Sheriff's Crime Lab at the County Operations Center in Kearny Mesa. We moved into the new lab in August 2018. This will be a quick photo tour.

In 2013 a child molester was active in Escondido and San Marcos. He would enter homes in the middle of the night and fondle little girls. This presentation discusses a novel way of using DNA to detect who the perpetrator was.
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.
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”, TBD
March 5th: TBD
April 2nd: TBD
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
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: Gary Bass  Email: gbchulavista@AOL.com
Phone: 619-794-6118

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
Call for Awards Nominations to the Board

The Section is looking for your nomination(s) for individuals who may meet any of the following:

Lou DiValerio Technician of the Year Award

The Lou DiValerio Technician of the Year Award acknowledges those ASNT members who are deserving technicians, to encourage their continued participation in the Society. Nominees for the award must hold a position of employment that corresponds to general guidelines similar to those described by Recommended Practice No. SNT-TC-1A for defining the primary duties and responsibilities of Level I and Level II technicians.

Fellow of ASNT

A Fellow of ASNT is an individual member of the Society who has 15 years NDT professional experience; 10 years ASNT membership and has supported the Society through contributions and participation at the local and/or national level. A Fellow must have demonstrated outstanding professional distinction, and must have made continued significant contributions to the advancement of NDT in areas such as management, engineering, science, education, administration or planning.

Mentoring Award

The Award for Outstanding Mentor was established to recognize those people in the Society working to encourage others to reach goals they may have otherwise not sought, and to offer the rest of the membership an example of what they could be accomplishing by acting as mentors.

Award for the Advancement of Active Military and Veterans in NDT

The Award for the Advancement of Active Military and Veterans in NDT recognizes individuals or organizations who encourages Active Military and Veterans to enter and thrive in the field of NDT, either through creation and/or implementation of programs that provide educational or career advancement opportunities in NDT that may not otherwise be available to Active Military and Veterans or through leading by example of how Active Military and Veterans can not only have a career in NDT but also contribute greatly to NDT, ASNT, and to creating a safer world.

Award for the Advancement of Women in NDT

The Award for the Advancement of Women in NDT recognizes individuals or organizations who encourage women to enter and thrive in the field of NDT, either through creation and/or implementation of programs that provide educational and/or career advancement opportunities in NDT that may not otherwise be available to women or through leading by example of how women can not only have a career in NDT but also contribute greatly to NDT, ASNT, and to creating a safer world.

Contact the Awards Committee Chair: Larry Olsen or any San Diego Section BOD member for further information on how to nominate any individual. Nominations must be sent to ASNT Headquarters and postmarked by 1 January 2019

Please note: All nominees must be sponsored by an ASNT Section, ASNT Council or ASNT National Committee. 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 young ASNT members by nominating someone!
Between the Cracks

Meeting Report October 2nd, 2018

October 02, 2018 the San Diego Section hosted the 2nd 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 19 members and guests in attendance.

The speaker for this event was Mr. Peter Cawley, CEO of Kimtron, Inc. The title of his presentation was “Total Cost of Ownership (TCO) of NDT x-ray equipment”.

Kimtron Inc. designs and manufactures all components of x-ray systems (e.g. power supplies, coolers, shielded cells), except the x-ray tubes. In addition to systems for NDT applications, they provide systems for medical and research applications.

He emphasized the importance of considering the total cost over the lifetime of the equipment, from purchase to retirement, consisting of the following major cost elements:

Initial cost; cost of downtime of the equipment; operating cost; cost impact on production, especially cost of downtime; costs of service support and replacement after obsolescence. He broke down each of these cost elements into sub costs. Kimtron’s approach is to place emphasis on high quality, designed in ease-of-maintenance and repair, use of Programmable Control Logic (instead of software), and selecting all components to meet a higher rating than required by the specifications. All components are sourced in the U.S.

Kimtron Inc. has been successfully competing with its total-cost approach against suppliers who are more narrowly focused on lowest cost. Customers are increasingly considering total costs as opposed to initial acquisition cost.

The audience expressed its appreciation of the presentation and engaged the speaker with questions.

The Section thanked Mr. Cawley and presented him with a speaker gift and certificate of appreciation.

Monthly Raffle prizes were sponsored by Phil Fetto of BASF / Chemetall, David Waitt of Fuji Film and the San Diego section.
Save the Date - December 4th, 2018

Don’t Forget this is the Christmas Event—Spouses / Companion / Guest night: All spouses (significant others) will have dinner provided by the section. Each person in attendance should bring a wrapped white elephant gift ($10.00 - $15.00) Which will make the evening much more fun. Hope to see everyone there.

Judge at Greater San Diego Science Fair

Please Save the date:
March 13th, 2019
Judging at the Greater San Diego Science Fair
Preview Projects On Evening of March 12th
Contact by February 1, 2019
Denise McKay
poppydancer@yahoo.com

Happy Halloween!!!!! Have fun with the bat experiment of Ultrasound.
**Between the Cracks**

**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-Test 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

**WILLICK ENGINEERING**
www.willick.com
562-846-4242

**DÜRR NDT**
### 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 (IRRSSP 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**

**Basic Level III** – Includes text 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

**Ultrasonic 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, 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