

NDTMA 2010 Annual Conference

February 9 - 11, 2010

Session Abstracts

Keynote Address –Presented by Virtual Media Integration

Succeeding in Business and Life

Bill Rancic, Author, Entrepreneur, TV Personality

Several years after his introduction to America as Donald Trump's original Apprentice, Bill Rancic continues his commitment to entrepreneurship throughout the country. Today, he is building businesses, seizing opportunities and sharing his views on how to succeed in business and in life.

Currently, Bill is developing real estate in Chicago, producing and appearing in several television programs and speaking to businesses and organizations on motivational and business topics. Bill also regularly appears in The Board Room on NBC's primetime show "The Apprentice." He produces and stars in the A&E series "We Mean Business," Style Network's reality series "Giuliana and Bill" and is the executive producer of "Repo Man" on the Discovery Channel. He makes regular appearances on numerous daytime broadcast and cable television programs such as "Today," "The Tonight Show," "The View" and various CNBC programs to talk to viewers about business and entrepreneurship. He also regularly appears in many major national, regional and local print outlets throughout the country.

A published author, he wrote *Beyond The Lemonade Stand* to help educate and motivate young people worldwide about the value of money and how to leverage skills, talents and abilities at an early age. All proceeds from the sale of this book have gone to charity. *Beyond The Lemonade Stand* is the follow up to the New York Times best-selling book, *You're Hired: How To Succeed In Business And Life From The Winner Of The Apprentice*, which chronicled Bill's successful life, experience and proven advice.

A budding entrepreneur at a young age, Bill got his first taste of success by founding Cigars Around the World in a 400 square foot studio apartment in Chicago. And today, it is a multi-million dollar operation now owned by Synergy Brands, where he sits on the board of directors.

Highly engaged in charitable activities, Bill was recently named national spokesperson for Gradient Gives Back – a program awarding financial makeovers to deserving families during today's challenging economic climate. He is also an active board member for the Mercy Home for Boys and Girls.

Bill will share with you his insights for succeeding in business and life. There will be ample opportunity for those in attendance to ask questions.

BUSINESS DEVELOPMENT SESSION

Kristy Davis-Jones & Peter Moss, Co- chair

Planning for an Uncertain Financial Future – The Importance of Investing in Yourself

Charles McDonald, Scotts Bay Investment Advisors

This presentation will take a look at the ways to value your company and the valuation factors. The importance of investing in yourself will be discussed. Common investments mistakes will be highlighted, and strategies for sound investment decisions presented.

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National Healthcare and How it Impacts Employers

Mike Ziegenhorn & Dane Tucker, The Holmes Organization

Healthcare reform, what's in the cards for your business? Come discuss the issue that's been going round and round like a ball on a roulette wheel. Where's it going to end up and what impact it's going to have on you and your employees is anybody's guess. Is it a mirage or will your company hit the Triple 7 Jackpot when it comes

to dealing with one of the hottest issues the government has decided to gamble with. Come to this lively discussion and see if you can hit a Blackjack.

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Retirement Plans for Businesses

Bruce Galloway, Ameriprise Financial Services

Planning for retirement income can be a daunting task no matter what age you are. If you are looking for clear information about building a retirement income stream that can provide for you through your whole retirement, then you need to attend our informative seminar: Take Control of Your Retirement Income.

During this seminar, you'll learn ways to:

- Set up a retirement income stream aligned with your retirement goals.
- Select tax-advantaged investments that could be right for your situation.
- Plan for inflation, economic challenges and a potentially long retirement.

Ameriprise Financial is committed to helping you learn more about your options in managing your financial resources and giving you straight forward guidance on personal money management and investment strategies.

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Emerging Technology Considerations for a NDT Company – An Overview

Joseph Jaramillo, Davis Laboratories, Inc.

Among their many tasks, NDT business owners often function as their own IT (information technology) guy — researching and implementing a plan to provide the software, hardware and IT services required to make their business run efficiently and stay within compliance of state and federal laws.

As companies grow, the need to outsource or hire dedicated IT staff becomes a cost-effective option. This paper discusses some of the technology challenges and solutions that NDT companies and their IT people face, with regard to voice, data, video, security and wireless services.

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NDT MANAGEMENT SESSION I

N. David Campbell, Chair

Panel Discussion - Employee issues have been consistently listed as a major concern with the members of NDTMA. This session will be a question and answer session on employee issues with Human Resources, Legal and Employee Benefit professionals discussing recruiting, hiring, compensating, retaining, disciplining and dismissing employees.

Panel Members:

Jay Murray, Vice President, Creehan and Co.

John Bechtol, Private Practice, Labor & Employ Law

Michael Ziemiansk, Vice President, Michael Baker Corp.

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NDT MANAGEMENT SESSION II

John Iman – Chair

Corporate Governance and Compliance Issues for NDT Companies

Jessica Wenzell, GE Inspection Technologies

Today's regulatory and oversight environment requires companies to proactively manage compliance risks. Whether you have government money or simply sell products or services, you are being regulated and are

subject to oversight and penalties. Learn how one company has instituted an integrity program to tackle these challenges and create a compliance culture.

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Succession Planning for Small Businesses

Barbara Brenlove, MetLife

You have worked hard to create the successful business of your dreams. You have been able to support your loved ones with the income generated from this business. It is the largest asset that you own and now you are thinking about:

- Retirement
- Taking some of the cash investment out of the business
- Having family or key employees transition into owning the business

There are more options available to you than you may be aware. Please join me to discuss some of these options and pros & cons of each option.

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Selling and Marketing to the Refining and PetroChemical Industry

Whitney Strickland, Whitney Strickland & Co., LLC

Selling and Marketing to the refining and petrochemical industry is becoming a much more difficult task than in the past. Client companies have shut down the doors of letting the companies that serve them create relationships with their employees. That coupled with the advent of utilizing technology for the prequalification and bidding process can make it highly difficult for the service or product company that depends on these industries to survive. This presentation will highlight these new difficulties and explain them in detail along with how it is best for companies that want to work in these industries to think about what their selling and marketing strategies need to be in this current market.

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Marketing Strategies for the Addition of New or Emerging NDT Technologies into Your Portfolio of Services

Bruce Pellegrino, GE Inspection Technologies

NDT technologies are constantly evolving – faster now than ever. Imaging capabilities from UT, ET, RT, Digital RT, RVI and Computed Tomography (CT) are becoming more common for field and factory-floor inspection tasks. This presentation discusses the benefits and value proposition for marketing the advance capabilities of nondestructive testing imaging.

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REGULATORY SESSION

Gayle Staton - Chair

National Source Tracking System Update

Andrew Mauer, USNRC

This presentation describes an important element of the radioactive materials security infrastructure, the National Source Tracking System (NSTS). The system was launched in late 2008 after several years of development. The NSTS maintains an inventory of all Category 1 and 2 sources in the U.S. Licensees are required to maintain their inventory data and report transfers

online. This enhances security by allowing close tracking of the locations of sources, and identifying possible unauthorized transfers. This presentation will focus on: 1) deployment and implementation of NSTS, 2) credentialing for NSTS, 3) potential expansion of the system, and 4) user feedback.

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Industry Initiatives in the Safety and Security of Radioactive Sources

Kate Roughan, QSA Global/Sentinel

With the many different enhanced security requirements being imposed and proposed by Regulatory Agencies, primarily NRC, industry has struggled to meet short deadlines to implement new security programs and processes. Industry has had to identify and implement the required infrastructure to support these new requirements, such as fingerprinting, source security in handling and transportation etc. With different Regulatory Agencies requiring different actions, it is difficult to assure compliance to all requirements and to assure there are not gaps on the coverage. Industry has been proactive in participating in several committees and workshops with Regulators to assure the requirements are really necessary based on risk and cost benefit analysis, and if necessary can be effectively implemented. This paper covers the Regulatory proposals and the ongoing initiatives industry is involved in to assure compliance.

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Regulatory Lagniappe Potpourri – An Interactive Exchange

Roy Parker, Consultant

This will be a discussion of the world's most exciting subjects, including non-controversial and more probably, controversial radiography regulations; efficient source tracking (or maybe lack thereof); increased controls – orders morphing into regulations; transportation – yours and theirs; aging of equipment means what; and what all. It is hoped that it will be exciting enough to be a freewheeling, bare knuckle, no holds barred, open forum with the entire group participating.

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TECHNICAL SESSION

David Craig & George Rhodes, Co-chair

Live Long and Prosper: Safety Maximizing Turbine Blade Life with Process Compensated Resonance Testing

Lem Hunter, Vibrant Corp

NDT plays a large role in the development and maintenance of today's powerful and efficient turbine engines. The safety record of commercial aviation has continued to improve even as engines are asked to deliver ever more hours on wing. Process Compensated Resonance Testing (PCRT) is being used "cradle to grave" to ensure only the highest quality parts enter service and to maximize the useful life of these expensive and safety critical parts.

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Advanced Testing Systems

Walter Weber, UTEX Systems

NDT has not kept pace with the rest of factory automation. Robots autonomously weld structures, assemble components, handle parts and report results to corporate databases. Components arriving in the NDT department routinely require manual handling, manual setup and C-scan systems remain mostly manual. In this presentation you will learn how inspection automation is being applied to NDT to close the technology gap.

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Line Scanning Thermography: A Solution for Large Area Nondestructive / Non-Contact Inspection

Obdulia Ley, Physical Acoustics Corp.

This talk deals with an innovative thermography-based NDT method capable of wide area inspection. This technique, known as Line Scanning Thermography (LST), has successfully been applied to determine the thickness of metallic plates and to assess tube thinning. In this work, our efforts towards the applications of LST for the analysis of laminate composites will be presented. In this presentation the LST protocols developed for the detection of subsurface disbonds (delamination) in composite sandwich parts will be presented. The thermal images acquired using LST will be compared with ultrasonic c-scans.

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Industrial Computed Tomography (CT) as an Inspection Tool for Airfoil Wall Dimensions in a Production Environment

Rodney Warner, Pratt & Whitney – Austin

As airfoils used in turbine engines for flight power become more complex, with features that do not conform to traditional measurement techniques, new methods must be accepted into the traditional toolbox of non-destructive inspection methods. Computed Tomography (CT) addresses many of the issues associated with these challenges, but the lack of industry standards along with the expense of equipment and personnel has made CT an impossible solution for all but a few. Pratt & Whitney has overcome many of these issues for airfoil wall dimensional data by accepting discrete section data, using CT much like an ultrasound wall inspection. Obstacles to implementation included equipment usability and supportability in a shop floor environment, measurement accuracy and associated calibration issues. The PW-Austin CT Team has overcome these issues and developed an internal method for the inspection of airfoils for wall thickness dimensions for product acceptance.

DOWNLOAD PRESENTATION P BELOW

- A - Planning for an Uncertain Financial Future – The Importance of Investing in Yourself – 487 KB**
- B - National Healthcare and How it Impacts Employers – 4 MB**
- C - Retirement Plans for Businesses – 2 MB**
- D - Emerging Technology Considerations for a NDT Company – An Overview – 803 KB**
- E - Corporate Governance and Compliance Issues for NDT Companies – 3.4 MB**
- F - Succession Planning for Small Businesses – 205 KB**
- G - Selling and Marketing to the Refining and PetroChemical Industry – 1.2 MB**
- H - Marketing Strategies for the Addition of New or Emerging NDT Technologies into Your Portfolio of Services – 1.3 MB**
- I - National Source Tracking System Update – 5.7 MB**
- J - Industry Initiatives in the Safety and Security of Radioactive Sources – 22.1 MB**
- K - Regulatory Lagniappe Potpourri – An Interactive Exchange – 188 KB**
- L - Live Long and Prosper: Safety Maximizing Turbine Blade Life with Process Compensated Resonance Testing – 4.7 MB**
- M - Advanced Testing Systems – 1.9 MB**
- N - Line Scanning Thermography: A Solution for Large Area Nondestructive / Non-Contact Inspection – 7.1 MB**
- P - Industrial Computed Tomography (CT) as an Inspection Tool for Airfoil Wall Dimensions in a Production Environment 1.2 MB**