



News • Seminars • Events  
**UPdate**

TORONTO CHAPTER

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Canadian Welding Association-Toronto Chapter

MARCH 2009

*Tuesday, March 10, 2009*

***Century Room at the Courtyard by Marriott***  
***7015 Century Avenue, Mississauga, Ontario Tel: (905) 567-5566***

## **Overview of five main NDT Methods (MT, PT, UT, RT & ET) and recommended applications**

**Presented by Doug Marshall of Canadian Institute for NDE (CINDE)**

This seminar will present different analysis techniques used in scientific fields to determine the state or function of a system by comparing a known input with a measured output, without the use of invasive approaches like disassembly or failure testing. Simplified, NDT is a highly-valuable technique that saves both money and time in product evaluation, troubleshooting, and research and allows us to inspect a part, component, assembly, etc. without destroying its usefulness.

**Biography:** Douglas J. Marshall has held the position of Managing Director of the CINDE for the past 12 years. His career began at Dofasco in 1968, where he served as a NDT Technologist to Senior Supervisor of NDT Technical Services in the Engineering and Maintenance. Mr. Marshall holds certification in four NDT methods and is considered an expert in Equipment Reliability utilizing predictive techniques and third party NDT Certification Programs and Quality Management. Mr. Marshall has participated on over 20 International Atomic Energy Association expert missions in various fields of non-destructive testing towards the development and management of NDT Certification Schemes to meet the requirements of ISO9712, ISO17024 and ISO 9001. Also Mr. Marshall became an Honorary Member of ICNDT in 2004 during the 16th World Conference for NDT held in Montreal, Canada. He holds representation with the Canadian General Standards Board (NDT Qualifications and Certification Steering Committee), Director of the Canadian Institute for NDE, ISO TC-135 SC2 (Chairman of Canadian Advisory Committee), American Society for Nondestructive Testing, Society for Mechanical Reliability Specialists and Canadian Aviation Maintenance Council.

**All dinner seminars, will be held in the**



### **Century Room at the Courtyard by Marriott**

7015 Century Avenue, Mississauga, ON

Tel: (905) 567-5566

Reception: 6:00 PM    Dinner: 6:30 PM    Presentation: 7:00 PM

**TICKET PRICES:**

Students - \$15.00    CWA MEMBER - \$40.00    Non-Members - \$45.00

For ticket information & purchase, please contact 416-525-1142, Or email: [Toronto@cwa-acis.org](mailto:Toronto@cwa-acis.org)