



ASM and SME Jointly Present a One Day Seminar

NDT Techniques and Flaw Detection

Presenter: Dr. Barry Patchett *P.Eng.*

Maglyn Engineering, Chemainus, B.C.

Dr. Patchett has metallurgical and welding engineering degrees from the University of Toronto, Cranfield University in England and the University of Birmingham in England. He is the first Canadian elected a Fellow of the American Welding Society (FAWS), and also is a Fellow of the American Society for Materials (FASM) and the Welding Institute in England (FWeldI). He has many publications in refereed journals and conferences and won several international awards, including the Charles H. Jennings Memorial Award and A.F. Davis Silver Medal from the American Welding Society and the Michael N. Vuchnich Award from the Welding Institute of Canada. His professional qualifications include P.Eng. registration in British Columbia and Alberta as well as designation as an International Welding Engineer (IWE).

He has over 40 years of experience in the field of welding engineering and was Professor of Welding Engineering at the University of Alberta for 25 years prior to retirement in 2004. He also was a welding engineer at the Chalk River Nuclear Laboratory in Ontario, a Senior Research Officer at Cranfield and the Chief Metallurgist of the APV Company in England. He now has his own consulting company, Maglyn Engineering, in Chemainus, B.C.

February 23, 2007 (Friday)

University of Alberta Campus, Edmonton

This seminar will describe the operation and use of several commonly used NDT processes, including radiographic, ultrasonic, magnetic particle and dye penetrant techniques. The abilities of each of these processes to detect particular kinds of flaws, including cracks, porosity and other common welding flaws, will be compared and discussed (Detailed Program is listed in the next page).

Contact Dr. Chinnia Subramanian (Tel: 577 6778 / cell: 970 4235)
email chinnias@blackcatblades.com for further details

Visit ASM or SME Chapter web sites:

www.asm-edmonton.org or <http://chapters.sme.org/370/>

Program Details (Sections one hour, breaks 15 minutes)

0900 Intro - Flaws and Defects

0930 Typical Flaws in Weld-1

1000 Coffee Break

1015 Typical Flaws in Welds-2

1115 Radiography-1

1200 Lunch

1300 Radiography-2

1330 Ultrasonics

1500 Coffee Break

1515 Magnetic Particle Inspection

1600 Dye Penetrant Inspection

1630 Summary

Registration

Payment is by checks only. No purchase orders please. Make checks payable to **ASM Edmonton Chapter**. There is no on site registration. No need to add GST as ASM Chapter is GST exempt. Receipts and directions will be provided by email only unless otherwise specifically requested.

Limited Seats – Register soon to get early bird discounts and ensure a place. Early registration ends January 31, 2007 and all registrations end February 17, 2006

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Edmonton Chapter



Jointly present a one day seminar on

NDT Techniques and Flaw Detection

Presenter: **Dr. Barry Patchett P.Eng.**, Maglyn Engineering, Chemainus, B.C.
Feb 23, 2007 (Friday) at the University of Alberta

Attendee Name/s (Photocopy form for additional names)	
Company	
Address	
Tel	
Fax	
Email	
ASM/SME Member #	
Check Amount Enclosed	\$

Do you agree to distribute your contact details to other attendees YES/NO

	Before January 31, 2007	After January 31 till February 16, 2007
Members of ASM and SME	\$295	\$345
Non-members	\$345	\$395
Students	\$100	\$150

Make checks payable to **ASM Edmonton Chapter**; do not add **GST**.

Mail to

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Fax to (780) 463 6389

REGISTRATION FORM

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