

COURSE INSTRUCTION

Dr. Marko Moscovitch

Selected Topics Covered by **Thermo Fisher Scientific RM&SI Personnel**

TRAINING LOCATION

Thermo Fisher Scientific Oakwood Facility
One Thermo Fisher Way
Oakwood Village, Ohio 44146

HOTEL INFORMATION

A block of rooms has been held at the Hampton Inn at a rate of \$102/ night for training participants. Please contact the Hampton Inn directly to make your reservations. To receive the special room rate, mention Thermo Fisher Scientific's Training Group with Confirmation # 88093382.

Hampton Inn

6035 Enterprise Parkway
Solon, OH 44139
+1 (440) 542-0400

COURSE FEE AND INFORMATION

Fee of \$1,975 per person includes:

- A full week of Dosimetry courses
- Daily Lunch
- Group Dinner on Tuesday Night

Register online at:

<https://www.SignUp4.net/Public/ap.aspx?EID=CLEA16E>

ThermoFisher
SCIENTIFIC

One Thermo Fisher Way
Oakwood Village, OH 44146
Phone: +1 (440) 703-1445
FAX: +1 (440) 735-4573

DOSIMETRY TRAINING COURSE

A 5-Day Short Course

The Harshaw Personnel TLD Program



**Oakwood Village, Ohio
December 1-5, 2008**

COURSE DESCRIPTION

This course provides a complete coverage of the Harshaw Personnel TLD program. This includes: TLD materials and readers, multi-element dosimeters, calibration, dose algorithms, accreditation, factory tour and hands-on time.

Lectures include both introductory and advanced topics. The introductory part covers the fundamentals of Thermoluminescent Dosimetry (TLD). The advanced part stresses these aspects of the Harshaw TLD systems required to conduct a successful personnel dosimetry program.

A TLD reader and dosimeters are used for the hands on part of the training program. The requirements of the NVLAP and DOELAP accreditation programs, as well as the ISO/IEC international TLD standards, will be covered.

PRELIMINARY SCHEDULE

Monday

8:30am Thermoluminescence
10:00am Coffee break
10:30am Radiation quantities and units
12:00pm Lunch
1:00pm Properties of LiF:Mg,Ti & LiF:Mg,Cu,P
3:00pm Coffee break
3:30pm TLD readers Models 8800, 6600 & 4500
5:00pm Summary

Tuesday

8:30am Multi-element TL dosimeters
10:00am Coffee break
10:30am Reader Calibration Factors (RCFs)
12:00pm Lunch
1:00pm Element Correction Coefficients (ECCs)
3:00pm Coffee break

3:30pm System calibration using ¹³⁷Cs
5:00pm Summary
6:30pm Group Dinner

Wednesday

8:30am Dose algorithms
10:00am Coffee break
10:30am Dose algorithms (cont.)
12:00pm Lunch
1:00pm Tour
2:30pm Coffee break
3:00pm Neutron dose calculation
5:00pm Summary

Thursday

8:30am Accreditation DOELAP/NVLAP
10:00am Coffee break
10:30am TLD System Operation Overview
12:00pm Lunch
1:00pm Algorithms software
3:00pm Coffee break
3:30pm WinREMS
5:00pm Summary

Friday

8:30am Glow-curve analysis
10:00am Coffee break
10:30am Reader QA/QC
12:00 Lunch
1:00pm Adjourn
1:00pm - 5pm
Optional informal discussion with Thermo technical staff including: software, reader maintenance, operational aspects and individualized hands-on training with the readers.

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REGISTRATION FORM

Please mail or fax the following information by November 17, 2008:

Name: _____

Title: _____

Organization: _____

Address: _____

City: _____ State/ Province: _____

Country: _____

Phone: _____ Fax: _____

Email: _____

Website: _____

Arrival Date and Time (Approximate): _____

Other Requirements, Comments or Needs: _____

I will attend the Tuesday evening group dinner Yes No

Please contact Lori Prementine with questions:

Thermo Fisher Scientific

One Thermo Fisher Way
Oakwood Village, OH 44146 USA

Phone: +1 (440) 703-1445

FAX: +1 (440) 735-4573

Lorene.prementine@thermofisher.com