



National Research Council
Canada

Conseil national de recherches
Canada

Institute for National
Measurement Standards

Institut des étalons
Nationaux de mesure

PRELIMINARY ANNOUNCEMENT

Dimensional Metrology Course 17 to 19 November 2003

A three-day measurement course of related lectures on a variety of topics in length and dimensional metrology, including laser interferometry, gauge blocks, line scales, video image metrology, angle metrology, roundness & diameter, surface roughness and coordinate measuring machines. Each lecture starts with basic concepts and definitions, and moves on to types of gauges and instrumentation, measuring and calibration methods, sources of uncertainty, and other practical considerations. Examples of calibrations done at the national lab and at client sites are used to illustrate how these concepts can be applied in other venues. A recurring theme will be the expression of uncertainties, with an introductory lecture and then worked examples in specific lectures on gauge blocks, angle, line scales, etc. Students will solve in-class assignments, with Q&A sessions to confirm comprehension of the materials.

WHO SHOULD ATTEND

- calibration & quality-control lab staff
- technicians, scientists, engineers, managers
- junior-to-senior in metrology experience
- those wanting
 - more background in dimensional metrology
 - to set up calibration & testing services
 - to meet accreditation requirements

REGISTRATION

- limited to 150 attendees, 1st-come receipt registration
- includes lectures, course notes, coffee, lunches
- 10% discount for early registration (before 1 Nov 03)
- early-group discounts: 20% for 2 people, 30% if more

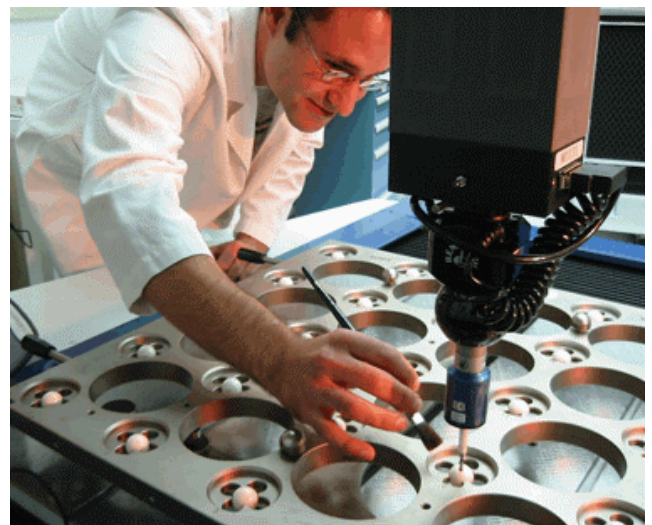
Registration Fee	Dim Met Course	CMM Work Shop
Per person includes 7% GST	(3 days)	(1 day)
Early Registration (before 1 Nov 03)	\$1350	\$450
Early Group of 2 (each)	\$1050	\$350
Early Group of 3 or more (each)	\$900	\$300
All Late Registration (after 30 Oct 03)	\$1500	\$500

CMM Workshop 20 November 2003

An additional one-day workshop on coordinate measuring machine (CMM) metrology. Lectures and discussions for intermediate and advanced users will cover various topics of measurement strategies, calibration techniques, GD&T and expression of uncertainties. Audience participation is encouraged, and actual case studies submitted by the audience will be analyzed in an informal Q&A setting.

**Both to be held at the
NRC Montreal Road Campus
Ottawa, Ontario**

ALL LECTURES IN ENGLISH



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Browse the INMS home page under
"Courses/Conferences" for Registration
Form and Details Updates

www.nrc.ca/inms