

Location map



How to get to Torino

For info about how to organize your trip, please explore the pages "Getting here" at the address <http://www.turismotorino.org>

Hotels

Please explore the pages "Accommodation" at the address <http://www.turismotorino.org>
For hotels near INRIM at preferred rates, please visit <http://www.nanoscale.de>

Note: The special hotel rates are given for indicative purposes only and are subject to change in 2008. Visitors are responsible for reserving their own accommodation and must settle their account directly with the hotel.

Hotel reservation deadline will be Aug. 10th, 2008.

Scientific Committee

R. Bergmans (NL), J. Garnæs (DK),
R. Johansson (SE), P. Klapetek (CZ),
A. Lassila (FI), R. Leach (UK),
G. B. Picotto (IT), R. Thalmann (CH),
G. Vailleau (FR), G. Wilkening (DE),
A. Yacoot (UK), T. Yandayan (TR),

Organizing Committee

Ludger Koenders, PTB, Braunschweig
Gian B. Picotto, INRIM, Torino
Günter Wilkening, PTB, Braunschweig

Contact address

Dr. Ludger Koenders
Physikalisch-Technische Bundesanstalt
Fachbereich Nano- und Mikrometrologie
Bundesallee 100
D-38116 Braunschweig
Phone: ++49 531 592 5100
Fax: ++49 531 592 5105
e-mail: Ludger.Koenders@ptb.de

Time table

31.3.2008 – Deadline for abstract submission
15.6.2008 – Notification of acceptance
10.8.2008 – Conference registration
10.8.2008 – Hotel registration
22.9.2008 – Full manuscripts

Supporting Organization



Physikalisch-Technische
Bundesanstalt



Istituto Nazionale di
Ricerca Metrologica

NanoScale 2008

8th Seminar on
Quantitative Microscopy (QM)
and 4th Seminar on
Nanoscale Calibration Standards
and Methods

Dimensional and related
measurements in the
micro- and nanometre range

**Istituto Nazionale di Ricerca
Metrologica (INRIM)
Torino, Italy**

Sep 22nd - 23rd, 2008

Organized by



Nanometrology Group



Competence Centre
"Ultra precise surface
figuring"

<http://www.nanoscale.de>

You are cordially invited to attend the 8th Seminar on Quantitative Microscopy and 4th Seminar on Nanoscale Calibration Standards and Methods at the Istituto Nazionale di Ricerca Metrologica (INRIM), Torino, Italy, Sep 22nd - 23rd, 2008.

This seminar continues the series of seminars on Quantitative Microscopy with forerunners in Braunschweig, Germany (1995), Wien, Austria (1997), Lyngby, Denmark (1998), Semmering, Austria (2000) and the NanoScale in Bergisch-Gladbach, Germany (2001) and Braunschweig, Germany, (2004) and Wabern, Switzerland (2006).

The seminar is jointly organized by the Nanometrology Group within European Association of National Metrology Institutes (EURAMET), the German Nanotechnology Competence Centre "Ultraprecise Surface Figuring" (UPOB) and the Istituto Nazionale di Ricerca Metrologica (INRIM).

Scope of the seminar

The quantitative determination of the properties of micro- and nano structures is essential in research and development and is a prerequisite in process control and quality assurance in industry. The knowledge of the geometrical dimensions of structures in most cases is the base, to which further physical and chemical properties are linked. Quantitative measurements presuppose reliable and stable instruments, suitable measurement procedures as well as calibration artefacts and methods.

The seminar will stimulate the exchange of information between metrologists, users in science and industry and manufacturers of relevant hard- and software.

Topics to be addressed

Applications

quantitative measurements and measurement problems in:
micro electronics, micro systems technology, nano/quantum/molecular electronic, biology, chemistry, medicine, material science, surface science, surface processing.

Calibration & correction methods

calibration methods, calibration standards, calibration procedures, traceable measurements, standardization, uncertainty of measurements

Instrumentation and methods

novel/improved instruments and methods, repeatable probe/sample positioning, position-measuring systems, novel/improved probe/detector systems, linearization methods, image processing.

Special topic

Application of carbon nanotubes (SWNT, MWNT) in metrology and metrology for nanobiology/-chemistry.

Seminar format

- The duration will be two full days.
- The above mentioned topics will be covered by oral and poster sessions; there will be no parallel sessions.

Information on the web

Information will be available on the seminar web site:

<http://www.nanoscale.de>

Abstracts

Participants wishing to present a paper are asked to submit an abstract of no more than 300 words. Please indicate whether you prefer oral or poster presentation. Abstracts will be reviewed and participants will be notified for a poster or an oral presentation.

Deadline for abstract submission is March 31st, 2008.

Notification of acceptance by June 15th, 2008

Proceedings

It is intended to publish full manuscripts as conference proceedings. The authors are asked to submit manuscripts (up to 8 pages) at the seminar.

Information on the format will be given in due course at <http://www.nanoscale.de>.

Fees

The fee will be 160 EURO and will include proceedings, beverages and lunch both days and a get-together on Monday.

Registration

Registration forms are available at <http://www.nanoscale.de>.

Registration deadline will be Aug. 10th, 2008.

Location

The conference will take place at the Istituto Nazionale di Ricerca Metrologica (INRIM), Torino, Italy .(For more information see <http://www.inrim.it/index.shtml>)