



IST INTERNATIONAL
SCIENTIFIC CONFERENCE
**REFERENCE MATERIALS IN
MEASUREMENT AND TECHNOLOGY**

10 -14 September 2013,
Ekaterinburg, Russia
www.conference.gssso.ru



FEDERAL AGENCY OF TECHNICAL REGULATION AND METROLOGY

Scientific methodical centre of State service of reference materials
for composition and properties of substances and materials
FGUP "THE URAL RESEARCH INSTITUTE FOR METROLOGY" (FGUP UNIIM)

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We have the pleasure of extending you an invitation to attend the Ist International scientific conference "Reference materials in measurement and technology", which will be held on 10 - 14 September 2013 in Ekaterinburg (Russia).

Introduction

Certified reference materials (CRMs) are important tools in assuring the uniformity, comparability, metrological traceability of measurement results in scientific research, production of substances and materials, in product quality control, assuring safety of human life and health and of environment. Assuring the reliability of measurement (analysis) results and, as a consequence, the objectivity of the findings when making decisions, CRMs play an important role in the elimination of technical barriers to trade, economic, scientific, technical and other spheres of cooperation.

The Ist International scientific conference "Reference materials in measurement and technology" is dedicated to the questions of production and distribution of reference materials in Russia, the CIS and other foreign countries, to the questions of metrological assurance of measurements on the basis of RM use, international cooperation in the field of RMs.

This conference is conducted with participation in the programme and organizing committees of specialists from national metrology institutes of Belarus, Germany, Kazakhstan,



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Russia, UK and other countries and leading experts in the area of reference materials of scientific organizations and enterprises of the CIS and other foreign countries

Target audience

The conference is not limited to a specific scientific area and will be of interest to scientists from various disciplines – RM, CRM users and producers. The conference will be attended by foreign and Russian representatives, engaged in scientific research in the area of the development of RMs, CRMs, measurement instruments, measurement procedures; the representatives of testing and calibration laboratories, the representatives of federal executive bodies, working in the area of legal metrology, health protection, veterinary, ecology, etc.

Topics of the conference

- ❖ The uniformity of measurements: international works, cooperation in the area of RMs.
- ❖ Reference materials in assuring the uniformity of measurement results.
- ❖ Activity of national services of reference materials in the CIS countries.
- ❖ General academic and practice-based issues of RM, CRM development, release, selection and use.
- ❖ Specifics of certification and production of RMs, CRMs of various substances and materials:
 - environmental objects;
 - food and food additives;
 - biological materials;
 - pharmaceuticals;
 - pure substances and semiconductors;
 - pesticides, toxins;
 - water and aqueous solutions;
 - pure gases and gas mixtures;
 - ceramic, glass, refractory and mineral fertilizers;
 - polymers, dyers;
 - fuel;
 - radionuclides and stable isotopes;
 - markers and indicators for qualitative analysis;
 - explosives;
 - drugs.
- ❖ Distribution and availability of RMs, CRMs in various areas of economic activity:
 - scientific research;
 - nanotechnologies;
 - energy and atomic industries;
 - space industry;
 - defense industry;
 - clinical medicine and bioengineering;
 - pharmaceutical industry, health protection;
 - food industry, agriculture;
 - environmental protection;
 - natural resource use: search and mining;
 - ferrous and non-ferrous industry;
 - petroleum refining industry, gas and fuel industry;
 - chemical industry;



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- forensic chemistry, doping tests.
- ❖ Metrological traceability, commutativity, comparison of RMs, CRMs.
- ❖ Experience of CRM use in:
 - demonstration of calibration and measurement capabilities;
 - verification and calibration of measurement instruments;
 - validation and certification of measurement procedures;
 - control of accuracy of measurement results;
 - interlaboratory comparison tests, etc.
- ❖ Quality management system of RM, CRM producers and distributors.
- ❖ Reference laboratories: tasks and functions.
- ❖ New measurement instruments, methods (procedures) of measuring parameters for composition and properties of substances and materials.
- ❖ Skill upgrading of specialists in the area of RMs.

Call for papers

The participants of the conference are encouraged to submit plenary, topical papers and posters. The time of the presentation of plenary papers should not exceed 30 minutes and of topical papers – 15 minutes.

Working language of the conference

The working languages of the conference will be English and Russian.

Proceedings of the conference

The proceedings of the conference will be published based on papers of the participants. The abstracts of the papers should be submitted **by 15 May 2013** by e-mail: conference@gssso.ru. The name of the file should include the name of a participant, e.g.: Petrov_reg.doc. It is recommended, that the abstracts be written in English or in Russian.

The requirements for submission of abstracts are outlined on <http://www.conference.gssso.ru>.

Venue and date of the conference

The conference will be held on 10 - 14 September 2013 in Ekaterinburg, the city with rich historical and cultural heritage, having unique historical monuments, museums, churches. Ekaterinburg is a scientific and business centre of the Ural region of Russia, situated in the area of the eastern slope of the Ural Mountains in the source of the Iset River.

Location of the conference: the building of Chamber theatre (18, Proletarskaya str., Ekaterinburg, Russia).

Participation in the conference

All persons wishing to participate in the conference are requested to complete the application using **form A** (posted on site <http://www.conference.gssso.ru>) and submit it by e-mail: conference@gssso.ru or by fax +7 343 355-31-71 by **01 May 2013**. Upon receipt of the application, the invoice for payment of the registration fee will be sent to the participant.

Registration fee for participation in the conference is 375 US dollars and covers the expenses related to the conference (coffee-breaks, lunches, banquet, tour of the city, theatre) and the booklet of the conference proceedings.



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Expenses, related to travel, accommodation, meals (breakfast and dinner) are paid by participants on their own.

Virtual participation in the conference is possible. In this case the paper should be submitted for publishing in the conference proceedings.

Visas

Participants of the conference who require a visa to enter the territory of the Russian Federation should complete the questionnaire using **Form B** (posted on <http://www.conference.gssso.ru>) to receive an official invitation and submit it till **15 May 2013** by e-mail: intermetron@uniim.ru and conference@gssso.ru

Key deadlines

01 May 2013 — Submission of applications – participation forms for participation in the conference.

15 May 2013 — Submission of abstracts.

15 June 2013— Payment of registration fee for participation in the conference.

Organizers and partners

The programme and organizing committees of the Ist International scientific conference "Reference materials in measurement and technology" is comprised of specialists from national metrology institutes of Belarus, Germany, Kazakhstan, Russia, UK, and other countries and leading experts in the area of (certified) reference materials of scientific organizations and enterprises of the CIS and other foreign countries.

Detailed information will be posted on: <http://www.conference.gssso.ru>.

Secretariat for the conference

Scientific Secretary	Elena Osintseva, PhD in Chemistry Head of CRM State Service Department	UNIIM 620000 Ekaterinburg, Russia Tel.: +7 343 350-60-68 or +7 343 355-31-71 E-mail: gssso@gssso.ru
Members of the Secretariat	Svetlana Agisheva Elena Anchutina, PhD in Chemistry Natalia Taraeva	UNIIM 620000 Ekaterinburg, Russia Тел.: +7 343 355-31-71 +7 343 350-21-79 E-mail: conference@gssso.ru intermetron@uniim.ru

Conference Web page

<http://www.conference.gssso.ru>, which you are encouraged to visit on a regular basis for obtaining new information.

We invite you to attend
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