

## 8th INTERNATIONAL SYMPOSIUM “METROLOGY 2011”

Esteemed colleague:

The *8th International Symposium “Metrology 2011”* will be in session at the Havana International Conference Center on May 18th, 19th and 20th, 2011.

The National Standardization Body (NC), the Ministry of Science, Technology and the Environment (CITMA) and the National Research Institute on Metrology (INIMET) are calling this meeting so as to favor the exchange of experiences among executives, experts, specialists and technical personnel directly related to Metrology.

Welcome to Havana, the capital city of the Republic of Cuba.

Organizing Committee  
“Metrology 2011”



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## **ORGANIZING COMMITTEE**

### **Chairwoman**

ScD Nancy Fernández Rodríguez

### **Vice-chairman**

Eng. Antonio López Maidique

### **Secretary**

Eng. Miguel Pérez López

### **Executive Secretary**

Ms. Teresa Infante Frómeta

### **Scientific Chairwoman**

ScD Ysabel Reyes Ponce

### **Spokesperson**

Ms. Elina González Labrada

### **Professional Congress Organizer**

Ms. Alicia García González

## **TOPICS**

The following topics will be discussed in the Symposium:

- Legal metrology and its fields of implementation
- Traceability and uncertainty of measurements
- Metrology and quality
- Measurements in the field of energy and fuels
- Chemical metrology and nanometrology
- Metrology and the environment
- Metrology and healthcare
- Metrology in industry
- Metrology and nuclear technology
- Metrology and education

## **PARTICIPANT'S PROFILE**

Specialists, metrologists, educators, business people, managers, producers and distributors of measuring instruments and all personnel related to metrology.

## SCIENTIFIC PROGRAM

Working sessions will be carried out in the form of plenary sessions, commissions and pre-symposium courses.

Selected papers related priority topics will be presented in Workshops and Panels to be held simultaneously and there will be daily plenary sessions that include Master Conferences delivered by distinguished guests.

## MODALITIES IN THE SCIENTIFIC PROGRAM

The Scientific Program of the event will be carried out in several modalities. Masterly conferences will be taught by experts of both national and international prestige, on relevant and interesting topics which will raise the Symposium's profile. Discussion panels will be carried out as well. Presentations on free topics have also been planned. Pre-symposium courses will be taught on the main topics of the event.

## MASTERLY CONFERENCES

**“LA METROLOGIA Y LOS LABORATORIOS ACREDITADOS ”** ; Ileana M. Martinez, International Affairs Advisor National Voluntary Laboratory Accreditation Program

**“Desarrollo de la base de patrones de la republica de Belarus”**, Dr.Lobko Vladimir Pablovich, BELGIM Vicedirector

**“ESTRUTURA BRASILEIRA DE ACREDITAÇÃO E CONFIABILIDADE DAS MEDIÇÕES.”**: Marcos Aurélio Lima de Oliveira, Coordenador Geral de Acreditação-

**“A NORMALIZAÇÃO COMO SUPORTE À METROLOGIA”**, DrEugenio Guilherme Tolstoy De Simone, Diretor Técnico Associação Brasileira de Normas Técnicas – ABNT

**“Legal Metrology Conference”** by BIML representative

**“European Cooperation in Legal Metrology.”** Ms. Natasa Mejac Vukovic, WELMEC Chairperson, Ministry of higher education, science and technology Metrology Institute of R. of Slovenia, UNIDO representative

**“Retos y proyecciones del Servicio Nacional Metrología de la República de Cuba”**, Eng. Fernando Arruza, Metrology Director, ONN

## PRELIMINARY PROGRAM

**Wednesday May 18<sup>th</sup>**

TIME	ACTIVITY
9:00 - 10:00	Accreditation
10:00 -11:00	Opening
11:00 - 11:20	Break
11:20- 12:20	Master Conference: <b>“Legal Metrology Conference, BIML .</b>
12:30 -13:30	Master Conference: <b>“La metrologia y los laboratorios acreditados ”</b> ; Ileana M. Martinez, International Affairs Advisor National Voluntary

	Laboratory Accreditation Program, IACC vice president
13:30 -14:30	Lunch
14:30 - 17:30	Workshops

### Thursday May 19<sup>th</sup>

TIME	ACTIVITY
9:30 -10:20	Master Conference: “ <b>“European Cooperation in Legal Metrology.”</b> Ms. Natasa Mejac Vukovic, WELMEC Chairperson, Ministry of higher education, science and technology Metrology Institute of R. of Slovenia, UNIDO representative
10:20 a 10:30	Break
10:30 a 11:20	Master Conference: “ <b>A Normalização como suporte à Metrologia</b> ”, Dr. Eugenio Guilherme Tolstoy De Simone, Tecnical Director Associação Brasileira de Normas Técnicas – ABNT
11:20 a 11:30	Break
11:30 a 12:10	Master Conference: “ <b>“Desarrollo de la base de patrones de la Republica de Belarus”</b> ”, Dr.Lobko Vladimir Pablovich, Vicedirector de BELGIM
12:10 a 13:00	Lunch
14:00 a 17:30	Discussion panels

### Fryday May 20<sup>th</sup>

TIME	ACTIVITY
9:30 - 10:20	Master Conference: <b>Estrutura Brasileira de Acreditação e Confiabilidade das Medições.”</b> : Marcos Aurélio Lima de Oliveira Coordenador Geral de Acreditação- (INMETRO)
10:20 - 11:00	Master Conference: “ <b>Retos y proyecciones del Servicio Nacional Metrología de la República de Cuba</b> ”; Eng. Fernando Arruza, National Stándar Office (ONN) and Eng. Antonio Lopez Maidique, National Metrology Institute (INIMET)
11:00 - 11:20	Break
11:20 - 12:40	Discussion panels
13:30 -14.30	Closing
15:00	Farewell Lunch

The modalities of presentations will be defined by the Scientific Committee and announced to the authors.

## PRE-SYMPOSIUM COURSES

Two international pre-symposium courses will be taught on May 16<sup>th</sup> and 17<sup>th</sup>

Day: 16 and 17 **"Volume and flow measurement Course"** in Guayasamin Museum House in Obrapia Street between Oficios Street and Mercaderes Street, Havana City  
Hour: 9:00 a.m. to 12.00 and 1:00 p.m to 4:00 p.m.

Day: 16 and 17 **"General metrology Course"** in Mexico Museum House in Obrapia Street between Oficios Street and Mercaderes Street, Havana City  
Hour: 9:00 a.m. to 12.00 and 1:00 p.m to 4:00 p.m.

### Information

National Research Institute on Metrology (INIMET)

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## PAPERS AND ABSTRACTS SUBMISSION

Authors must send the abstracts of their presentations to the Scientific Committee before **January 31st, 2011** to the following e-mail address: [metrologia2011@inimet.cu](mailto:metrologia2011@inimet.cu)

The Scientific Committee will review the submitted abstracts and notify the authors regarding their approval before February 28<sup>th</sup>, 2011. If they are accepted to be included in the Scientific Program, the committee will require the submission of the full paper in accordance with the set guidelines, for them to be published in the Congress Memories.

Full papers must be submitted to the Scientific Committee before **March 15th, 2011**. In the case of conferences, authors must send an abstract of their presentation, no longer than 250 words, before **January 31st, 2011**, to the Secretary of the Symposium, and they will submit a full copy to the session's secretary on the day of its presentation.

## GUIDELINES FOR THE SUBMISSION OF ABSTRACTS

Abstracts of papers must be e-mailed in MS Word format, using 8½ x 11 (220 x 280 mm) sheet size, before **January 31st, 2011**.

### Structure of abstracts

Title

It must be written in capital letter, centered, and using Times New Roman, 14 points letter.

Author(s): Full name (s); professional, scientific and academic category in Times New Roman, 12 points letter. It must include country, address, e-mail and institution in Times New Roman, 10 points letter. The name of the person in charge of making the presentation must be underlined.

#### Abstract

The text of the abstract must be written without distinction between paragraphs, using Times New Roman, 12 points letter, one space between the lines and justified. It cannot have more than 250 words.

### **GUIDELINES FOR THE SUBMISSION OF PAPERS**

Full papers must be sent in digital form before **March 15th, 2011**, so as to include them in the memories of the event. They must not exceed 30 pages and they must have the following structure: abstract, introduction, objectives, materials and methods, results, conclusions and bibliographical references. To write the text of the papers, the author must use MS Word or Adobe Acrobat PDF format. It must be written in 8½ x 11 (220 x 280 mm) sheet size, using one space between the lines and Times New Roman, 12 points letter. Authors must take into account the following specifications:

The title must be written in bold, capital letter and centered. It cannot have more than 15 words.

Authors' names must be written 3 spaces after the title, with the initial of the names, followed by the last names and separated by commas. The first and second names of the person in charge of making the presentation must be underlined. The name of the institution will be written afterwards, as follows: name of the institution, postal address, city and country. Then, the e-mail address must be included.

Images, charts and/or graphics are also included in the Word or PDF document, which cannot have more than 1 megabyte. The document must be compressed in multivolume format, with no more than 500 Kbytes each volume.

NOTE: The paper will not be accepted if it is not presented according to the aforementioned specifications.

### **AUDIOVISUAL AIDS FOR THE PRESENTATIONS IN ROOMS**

Data and video projector  
Computer

Authors must inform the Scientific Committee on the audiovisual aids required for their presentation.

CDs, DVDs and mass storage devices included in the papers must be submitted by speakers at the Audiovisual Aids Office of the Havana International Conference Center, 24 hours before the presentation in the room.

Computer presentations must be presented according to the following requirements:

- Windows operating system
- Power Point presentations
- Presentations in CDs, DVDs and mass storage devices
- Compressed presentations with the following applications:
  - WinZip 8.0 ( or an older version)
  - Winrar 2.5 ( or an older version)
  - Arj
- For the presentations of images, Corel 9 or 10 versions must be used. Those applications needing associated programs must come with their proper installation program (QuickTime, Adobe Acrobat, etc.).

## **OFFICIAL LANGUAGES**

The official languages will be Spanish and English. Simultaneous interpretation will be available in the main sessions of the Symposium.

## **REGISTRATION FEES**

Delegates	200.00 CUC
Accompanying persons	60.00 CUC

## **RIGHTS FOR THE REGISTRATION FEE**

Delegate:	It includes: participation in the event, documents, name badge and participation certificate, as well as participation in the scheduled social activities.
Accompanying person:	It includes: name badge, souvenirs, participation in social activities, as well as in the opening and closing ceremonies of the Symposium. They will not have access to the working sessions.

### **Forms of payment**

Direct payment of the fee will be made upon registration at the Havana International Conference Center's Registration Office, in any of the following forms:

Cash in CUC (Cuban Convertible Pesos), Credit cards

The CUC is the official circulating currency in the country. It can be obtained upon arrival at airports, hotels, conference centers, banks and exchange houses. The exchangeable currencies are: Euro, US dollars, Canadian dollars, Sterling Pounds, Swiss Francs and Mexican Peso. The exchange will be made according to the daily exchange rate.

The following credits cards are accepted in Cuba, unless they are drawn from an American bank: VISA, CABAL and MASTER CARD.

The payment of pre-event courses must be effected in cash, at the institution where courses will be taught.

For further information on the exchange rate, please visit the site of the Banco Metropolitano: <http://www.banco-metropolitano.com>

## **HOTELS**

The official travel agency of the event will be Havanatur Eventos, which will offer tourist packages designed specially for the event.



**For further information you may contact:**

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