

LACAME 2016

XV Latin American Conference on the Applications of the Mössbauer Effect

13-18 November 2016 • Panama City, Panama



SECOND ANNOUNCEMENT

Scope:

The XV Latin American Conference on the Applications of the Mössbauer Effect - LACAME 2016 aims to bring together the Latin American and the International community, to promote activities of basic and applied research, to encourage interaction among students, young and senior researchers, and strengthen international cooperation around the field. The event includes specially invited speakers, which communicate the most significant recent developments in research with the Mössbauer effect. LACAME 2016 will take place in conjunction with an International School on Advances and Trends in the Applications of Mössbauer Spectroscopy.

Venue:

LACAME 2016 will take place at the **Wyndham Panama Albrook Mall Hotel**, a comfortable hotel with conference facilities. It is located in one of the most dynamic and commercial hubs of Panama City. As one of its many advantages, the **Wyndham Panama Albrook Mall Hotel** is adjacent to the largest shopping center in Latin America, Albrook Mall. You will find easy access to shops, restaurants, and many leisure-time attractions, and short walking distance from a bus station and a Metro line 1 stop.

Conference Topics:

- T01 Advances in experimentation and Data Processing
- T02 Amorphous, Nanocrystals and Nanoparticles
- T03 Applications in Soils, Mineralogy, Geology and Archaeology
- T04 Biological and Medical Applications
- T05 Catalysis, Corrosion and Environment
- T06 Chemical Applications, Structure and Bonding
- T07 Industrial Applications
- T08 Magnetism and Magnetic Materials
- T09 Multilayers, Thin Films and Artificially Structured Materials
- T10 Physical Metallurgy and Materials Science

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Local Organizing Committee

Alcides Muñoz
Cecilio Hernández
Eleicer Ching
Griselda Caballero
Ildeman Abrego
Josefina Iglesias
Juan A. Jaén

Latin American Committee

E.M. Baggio – CBPF Brazil
G.A. Pérez Alcázar – UV Colombia
J.A. Jaén – UP Panamá
N.R. Furet Bridón – CNIC Cuba
N. Nava – IMP México
R.C. Mercader – UNLP Argentina
V.A. Peña Rodríguez – UNMSM Perú
C. Pizarro – USACH Chile

Registration:

The registration fee covers attendance to all sessions of the conference, welcome cocktail, coffee breaks, conference excursion, conference material, the abstracts book, certificate of participation. The registration fee for students includes attendance to the International School –Limited capacity, early application is encouraged. The accompanying person registration covers, welcome cocktail, coffee breaks and conference excursion.

Registration Fees (\$USD)	Early	Late
Full registration	350	400
Student	150	200
Accompanying persons	100	100

Registration must be completed by 9 September, 2016 for the early bird rates. Participants are requested to pay separately for the welcome reception (\$50) at the registration desk.

Instructions for payment are published in the LACAME 2016 Web site. The Payment form also can be found in the Web site.

Abstract submission and Proceedings

The procedure to submit the abstracts is available on the Web site. All submissions documents must be sent electronically only through the Conference Management System.

The Conference proceedings will be published as a regular volume of the journal *Hyperfine Interactions* (edited by Springer). Invited talks as well as oral and poster presentations will be included in the conference proceedings. All manuscripts will be peer reviewed according to standard international procedures before being accepted for publication in the conference proceedings. Instructions for preparing manuscripts will be available at the Web site.

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Invited speakers

- Roberto Mercader - Departamento de Física Facultad de Ciencias Exactas Universidad Nacional de La Plata, La Plata, Argentina
Role of the Latin American Conferences on the Applications of the Mössbauer Effect on the development of science in Latin America over the past quarter century
(Opening Talk).
- Satoru Nakashima - Hiroshima University, Higashihiroshima, Japan.
Chemical Information revealed by Mössbauer spectroscopy and DFT calculation
- Michael Reissner - Institute of Solid State Physics, Technische Universität Wien, Vienna, Austria
High field Mössbauer Spectroscopy in Solid State Physics
- José F. Marco - Instituto de Química Física "Rocasolano", CSIC, Madrid, España
Structural, magnetic and chemical properties of oxides with potential applications in storage and energy conversion
- Mira Ristić - Ruder Boskovic Institute, Croacia
Application of ^{57}Fe Mossbauer spectroscopy in the precipitation chemistry of iron oxides
- Virender K. Sharma - School of Public Health, Texas A&M University, USA
Advances made in Understanding Environmental Applications of Ferrates using Mössbauer Spectroscopy
- Jean Marc Greneche - Institut des Molécules et Matériaux du Mans, Le Mans Université du Maine-CNRS, France
Magnetic properties of nanoferrites probed by ^{57}Fe Mössbauer spectrometry
- Cathrine Frandsen - Technical University of Denmark, Kongens Lyngby, Denmark
Magnetic nanoparticle-materials
- Michael Oshtrakh - Institute of Physics and Technology, Ural Federal University, Russia
Advances of Mössbauer Spectroscopy with a High Velocity Resolution: Biological and Medical Applications
- Frans Waanders - Northwest University, South Africa
Moessbauer spectroscopy and environmental research
- Tao Zhang - Dalian Institute of Chemical Physics, China.
Recent Advances in Applications of the Mössbauer Effect in Catalysis
- Göstar Klingelhöfer Johannes Gutenberg University Mainz, Germany
Moessbauer Spectroscopy in Space
- Elisa Baggio-Saitovitch - Centro Brasileiro de Pesquisas Físicas, Departamento de Física Experimental de Baixas Energias, Rio de Janeiro, RJ, Brazil
Structural and magnetic properties in co-deposited Fe-doped Yb films

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Invited speakers

- César Augusto Barrero Meneses, Instituto de Física, Universidad de Antioquia, Medellín, Colombia
The contribution of iron to the ferromagnetism of Fe and transition metal co-doped ZnO nanoparticles
- Agustín Cabral-Prieto - Instituto Nacional de Investigaciones Nucleares, Departamento de Química, México.
Magnetic hyperthermia using nano-oxides of iron
- Edson Passamani Caetano - Universidade Federal do Espírito Santo, Centro de Ciências Exatas, Departamento de Física e Química, Vitória, ES – Brasil
Zero and in-field ^{57}Fe Mössbauer spectroscopy applied to probe ferromagnetic properties of shape memory FeMnGa alloys
- Andrea Paesano Jr. - Universidade Estadual de Maringá, Departamento de Física, Maringá, Paraná, Brazil
Mössbauer Spectroscopy: a tool for studying ion-doped oxides and semiconductors
- Carlos Ariel Samudio Pérez - Universidade de Passo Fundo, Passo Fundo Instituto de Ciências Exatas e Geociências
Mössbauer Effect and DFT study of the hyperfine interactions of Fe-doped SnO_2
- Mauricio Escudey - Centro para el Desarrollo de la Nanociencia y la Nanotecnología (CEDENNA), University of Santiago, Santiago, Chile
Application of Mössbauer Spectroscopy to the study of the transport of nanoparticles of Fe compounds in soil
- Edilso Reguera Ruíz - Centro de Investigación en Ciencia Aplicada y Tecnología Avanzada Instituto Politécnico Nacional, México
Applications of Mössbauer Spectroscopy to the Study of Materials for Technologies of Renewable Energy
- Carlos Landauro Sáenz - Departamento Académico de Física del Estado Sólido, Facultad de Ciencias Físicas, Universidad Nacional Mayor de San Marcos, Peru
The local order of aperiodic complexes using Mössbauer Spectroscopy
- Claudia Rodríguez Torres de La Plata - Departamento de Física Facultad de Ciencias Exactas Universidad Nacional de La Plata, La Plata, Argentina
Ab-initio and Mössbauer studies of electronic properties and hyperfine parameters of Zn ferrites
- Dalber Rubén Sánchez Candela - Instituto de Física, Universidade Federal Fluminense, Centro de Estudos Gerais, Instituto de Física. Niterói, RJ – Brasil
Magnetic properties of low-dimensional oxi-borates studied by Mössbauer Spectroscopy

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Training school on Mössbauer Spectroscopy

As a part of the activities from LACAME 2016 a pre-congress *International School on Advances and Trends in the Applications of Mössbauer Spectroscopy* has been prepared. It will include lectures on basic and applied aspects of Mössbauer spectroscopy. This School will take place on Sunday November 13th 2016, and it is mainly devoted to Latin-American students interested in this experimental method who should register previously. This course will cover fundamental aspects of the Mössbauer effect, important aspects of the experimental setup, and many practical applications. Leading experts in the field have accepted to lecture.

Lecturers

German A. Pérez Alcázar - Departamento de Física, Universidad del Valle, Cali, Colombia

Introduction to Mössbauer effect and the experiment.

José F. Marco - Instituto de Química Física "Rocasolano", CSIC, Madrid, España
Mössbauer and surface analysis (ICEMS, DCEMS, ILEEMS). Advances and trends in instrumentation for surface analysis and its application in corrosion, coatings and thin film analysis.

Jean Marc Greneche - Institut des Molécules et Matériaux du Mans, Le Mans Université du Maine-CNRS, France

Advances and trends in instrumental, experimental and numerical aspects of Mössbauer spectroscopy, with examples of increasing difficulty on topics of inorganic and organic chemistry, amorphous, mineralogy, crystal systems, disorderly and nano - objects.

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Important dates:

27 March, 2016: Second announcement.

3 June, 2016: Final announcement.

24 June, 2016: Deadline for abstracts submission.

15 August, 2016: Notification for the acceptance.

9 September, 2016: Deadline for earlier registration.

14 October, 2016: Deadline for registration to: (i) the Best Latin American Thesis Award, and (ii) International School on Advances and trends in the Applications of Mössbauer Spectroscopy

13 November, 2016: International School on Advances and trends in the Applications of Mössbauer Spectroscopy.

13-18 November, 2016: LACAME 2016, Panama.

25 November, 2016: Deadline for manuscripts submission

Sponsors:



Science Engineering & Education Co

Further information and some details on the Organization can be found at: www.viceipup.up.ac.pa/Lacame2016

Contact e-mail: LACAME2016@up.ac.pa

Please, feel free to help us spread information on LACAME 2016 among your students and colleagues.

WE LOOK FORWARD TO SEEING YOU IN PANAMA FOR LACAME 2016