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 EVENTOS
 CURSOS
 ABM NEWS
 REVISTAS

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Pan American Materials Conference 2014

69º Congresso Anual da ABM | 69th ABM International Annual Congress

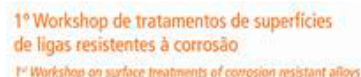
1st Brazilian-German Symposium on Materials Science and Engineering

July 21st to 25th, 2014

Frei Caneca Convention Center - São Paulo - SP - Brazil



[General Information](#) | [Housing and travel](#) | [Themes](#) | [Abstract Submission](#) |
[Online registration](#) | [Visa letter](#) | [Conference organizers](#) | [Programming](#) | [Sponsors and support](#)



Pan American Materials Conference - 2014

The 1st ABM-TMS Interamerican Materials Congress, held in conjunction with the 65th Annual Congress of ABM (Brazilian Metallurgical, Materials and Mining Association) and the 18th IFHTSE Congress, was conducted July 26-30, 2010, in Rio de Janeiro, Brazil. This new specialty meeting was an outcome of the TMS Alliance of the Americas strategy (adopted in the early part of the millennium) to work together with society partners in North and South America. The entire meeting was managed by ABM and attracted approximately 1,500 attendees. ABM will host the second installment of this Congress in 2014 during the 69th Annual meeting of ABM, at the 70th anniversary of the founding of ABM. The societies anticipate that this will become a standing Pan American conference series.

ORGANIZERS



CO-ORGANIZERS



Conference co-chairs

Marc Meyers - UC, San Diego (TMS)

Sergio Neves Monteiro - IME (ABM)

Program

The program can be accessed by clicking below: [click here](#).

The entire program in PDF format can be downloaded by clicking the [button](#).

Note: The technical talks will be held on Tuesday (July 22), Wednesday (July 23) and Thursday (July 24). Friday is reserved for technical visits.

ATTENTION: [Click here](#) to download the template of presentation.

Registration is now open - [click here](#)

REGISTRATION FEES				
Category	Up to June 30 th		After June 30 th	
	USD - US Dollar Values in US\$	BRL - Brazilian Real Values in R\$	USD - US Dollar Values in US\$	BRL - Brazilian Values in
Member ABM or Pan American Conference Entities - DURING MASTER & DOCTORATE	345	760	382	840
Member ABM or Pan American Conference Entities - AUTHOR DURING MASTER & DOCTORATE - Presenter	345	760	382	840
Non Member ABM or Pan American Conference Entities - DURING MASTER & DOCTORATE	473	1040	527	1160
Non Member ABM or Pan American Conference Entities - DURING MASTER & DOCTORATE - Presenter	473	1040	527	1160
SENIOR - Over 65 years old	527	1160	586	1290
Member ABM or Pan American Conference Entities - Presenter	700	1540	777	1710
Member of ABM or Pan American Conference Entities	836	1840	927	2040
Non Member ABM or Pan American Conference Entities - Presenter	836	1840	927	2040
Non Member ABM or Pan American Conference Entities	1045	2300	1159	2550

Obs.: Values in USD were revised on May 13, to reflect indicative exchange rate of R\$2.20/US\$1.00 and will remain like this.

Registration fee includes:

- a) Free access to all parallel events: 69th ABM International Annual Congress; 1st Brazilian-German Symposium on Materials Science and Engineering and 1st Workshop on surface treatments of corrosion resistant alloys;
- b) Free access to the exhibition area;
- c) Free internet access;
- d) Coffee break during all events;
- e) Lunch for all events;
- f) Proceedings;
- g) Program & abstract booklet;
- h) Participation at the opening ceremony on July 21st, Monday;

- i) Participation at the fellowship premium cocktail and dinner on July 23rd, Wednesday;
- j) Congress bag;
- k) Medical care during the event.

Important notes:

- . There will be simultaneous translation at the opening ceremony, plenary sessions and closing ceremony.
- . The status of ABM member is valid for the individual person category only;
- . Employees of ABM member companies will be entitled to an additional rebate of 10% over total registration fee;
- . Senior attendee will be required, as previously mentioned, to submit a proof document regarding their age by fac-simile: (55 11) 5534-4330 to Margareth Nunes;
- . Author registration is only applied to the presenter of the paper, co-authors are not included in this category;
- . Professors, graduate students or post-graduate students will be required, as previously mentioned, to submit written proof of their status by fac-simile: (55 11) 5534-4330 to Margareth Nunes.

Pan American Entities

ABM (Associação Brasileira de Metalurgia, Materiais e Mineração)- Brazil

TMS (The Metals, Materials, and Minerals Society) - AIME US

Asociación Argentina de Materiales - SAM

Asociacion Peruana de Metalurgia, Materiales Y Minerales - APMMM

Asociación de Ingenieros de Minas, Metalurgistas Y Geologos de Mexico - AIMMGM

Metallurgical Society of the Canadian Institute of Mining, Metallurgy and Petroleum MetSoc

Sociedad Chilena de Metalurgia y Materiales - SOCHIM

Sociedad Mexicana de Materiales - SMM

Paper submission

Abstracts: **CLOSED**

Information about abstracts

Lisa Breese

Phone [\(724\) 814-3134](tel:7248143134) - Fax (724) 814-3135

lbreese@tms.org

Papers will be evaluated by the Editorial Board of the Journal.

Deadline: July 31st, 2014

Paper submission proceeds totally online, via EES (Elsevier Editorial System) ees.elsevier.com/jmrt. Further information: www.jmrt.com.br.

Important: The identification of the papers for Pan American Materials Conference - 2014 should be done on the paper, after the Keywords, by the text:

"Paper presented in the form of an abstract as part of the Proceedings of the Pan American Materials Conference, July 21st to 25th, 2014."

Paper submission

The submission and approval of presentations is independent of the publication process. It is possible for authors to give presentations without paper submission. Submissions for a special issue of J.M.R.T. dedicated to the Pan American Conference will undergo the same rigorous reviewing process as all articles. The symposium organizers will play a key role in this endeavor. The Journal of Materials Research and Technology (JMRT) is a publication of the Brazilian Metallurgical, Materials and Mining Association and publishes four issues per year. JMRT provides an international medium for the publication of theoretical and experimental studies related to Metallurgy, Materials and Minerals research and technology. Appropriate submissions to JMRT should include scientific and/or engineering factors which affect processes and products in the Metallurgy, Materials and Mining areas.



Pan American Materials
Conference 2014

This pioneering event in the Americas has as primary functions:

The creation of a forum for top-level research from the Americas;

- Rapid dissemination of information through presentations and publication in the new Elsevier Journal of Materials Research and Technology;
- Acceleration of personal interactions and development of new collaborations across the continent.

It follows the TMS-ABM Interamerican Materials Congress, held in conjunction with 65th Annual Congress of ABM (Brazilian Metallurgical, Materials and Mining Association) in July, 2010, in Rio de Janeiro, Brazil. The entire meeting was organized by ABM and attracted approximately 1,000 attendees. This new meeting is an outcome of the TMS Alliance of the Americas strategy to work with society partners in North America and Latin America. ABM will again host the meeting, which we hope that will become a series of conferences Pan Americans. It will occur during the 69th ABM International Annual Congress, at the 70th anniversary of the founding of ABM. ABM and TMS are sponsoring the event and the participating societies are:

ABM (Associação Brasileira de Metalurgia, Materiais e Mineração)- Brazil

TMS (The Metals, Materials, and Minerals Society) - AIME US

Asociación Argentina de Materiales - SAM

Asociación Peruana de Metalurgia, Materiales Y Minerales - APMMM

Asociación de Ingenieros de Minas, Metalurgistas Y Geólogos de Mexico - AIMMG

Metallurgical Society of the Canadian Institute of Mining, Metallurgy and Petroleum MetSoc

Sociedad Chilena de Metalurgia y Materiales - SOCHIM

Sociedad Mexicana de Materiales - SMM

The format of the Pan American Materials Conference is based on eleven symposia on specific themes:

1. **Mehl Symposium:** [Fernando Landgraf](#), Instituto de Pesquisas Tecnológicas, Sao Paulo; [Thaddeus Massalski](#) (Carnegie-Mellon U.)

Invited Speakers:

[H. Hahn](#) (Karlsruhe I. T., Germany)

[H. Gleiter](#) (Karlsruhe I. T., Germany, Mehl medalist)

[W. A. Mannheimer](#) (COPPE-UFRJ)

[T. Massalski](#) (Carnegie Mellon U. , Mehl medalist)

[E. Mirra de Paula e Silva](#) (UFMG, Brasilia)

[J. Narayan](#) (North Carolina State U., 2014 Mehl Award recipient)

[T. G. Langdon](#) (University of Southern California (USA) - USC)

Fernando Landgraf (Instituto de Pesquisas Tecnológicas, Brazil)

2. Materials for Energy: Paulo Emilio Valadão (COPPE, U. Federal de Rio de Janeiro); Fernand Marquis, Naval Postgraduate School

3. Light Metals and Alloys: Carlos A. Moura Neto (Instituto Tecnológico da Aeronautica) *in memoriam*; Carlos Schvezov (U. Nacional de Misiones, Argentina)

4. Composites and Hybrid Materials: Nikilesh Chawla, ASU; Pedro Dolabela Portella (BAM, Germany)

Invited Speakers:

Flavio de Andrade Silva

Nathan Mara

Hechau Li

Satish Kumar

Joao Carlos Miguez Suarez

Leonardo Barbosa Godefroid

Yang Jiao

Di Zhang

Sidnei Paciornik

5. Biomaterials, Smart Materials, and Structures: Carlos Elias (Instituto Militar de Engenharia); Po -Yu Chen (National Tsinghua University, Taiwan); Roger Narayan, U. of North Carolina

Invited Speakers:

Olga Charyeva

Jaroslav Drelich

Andre Studart

6. Mechanical Behavior of Structural Materials: Paulo R. Cetlin (U.F. Minas Gerais); Michael Kassner, University of Southern California; Andrea Hodge, University of Southern California; Leonardo Godefroid (E. Minas Ouro Preto)

Invited Speakers:

Priya Vashishta, University of Southern California

Michael Kassner

7. Processing of Materials: Olivia Graeve (U. California, San Diego); Lawrence E. Murr, University of Texas at El Paso ; André Tschiptschin (U. de São Paulo)

Invited Speakers:

Hanshan Dong, University of Birmingham

Ali Erdemir, Argonne National Laboratory (USA)

Frank Medina, Arcam AB (Sweden)

Gustavo Hirata, Universidad Nacional Autónoma de México (México)

Olivia Mathieu Brochu, McGill University (Canada)

Raymundo Arroyave, Texas A&M University (USA)
 Erica Corral, University of Arizona (USA)
 Greg Hilmas, Missouri University of Science and Technology (USA)
 Mathieu Brochu
 Ivar Reimanis
 Ricardo H. R. Castro
 Troy Holland
 Joseph Poon
 Wen Yang

8. Modeling and Simulation of Processes, Microstructures, and Behavior: Diana Farkas, Virginia Polytechnic Institute; Eduardo Bringa, U. Nacional de Cuyo/CONICET (Argentina); André Luiz Vasconcellos da Costa e Silva, IBQN/UFF (Brazil)

Invited Speakers:

Christian Brandl
 Maurice de Koning
 Alfredo Caro
 Hussien Zbib
 Zhiqiang Han

9. Bulk Metallic Glasses, Nanocrystalline Materials, and Ultrafine-Grain Materials: Terence G. Langdon (U. of Southampton, UK); Roberto Figueiredo (E. E. U. Federal de Minas Gerais)

Invited Speaker:

Rimma Lapovok, Monash U. (Australia)
 L. Murr
 Marc Meyers

10. Dynamic properties of Materials: George T. Gray, Los Alamos National Laboratory; N. Thadhani, Georgia Institute of Technology; Luis Henrique Leme Louro, Instituto Militar de Engenharia

Invited Speakers:

L. W. Meyer, Nordmetall (Germany)
 V. F. Nesterenko, UCSD, US

11. Mineral Processing: Fernando Freitas Lins (CETEM); Alejandro López Valdivieso (U. A. of San Luis Potosi, Mexico); Claudio Schneider (CETEM); Shaoxian Song, Wuhan U. of Technology, China

Invited Speaker:

Carlos Mauricio Fontes Vieira



VISA Requirement

Brazil requires visas for US citizens. We highly recommend this process to be initiated early because of the enormous number of visas that will be requested for the World Cup. Here is some information copied from the

Brazilian Consulate in Los Angeles:

Who needs a tourist visa?

Travelers visiting Brazil on tourism or participating in sports, artistic events and academical conferences (provided that they are not paid for such activities, except for per diem and hotel and travel expenses) require a visa to enter the country.

Citizens of certain countries which maintain a visa waiver agreement with Brazil do not need a visa when traveling on tourism. Please note that U.S. citizens need a visa to enter Brazil.

What do you need to bring to the Consulate to apply for a visa?

Please have the following documents submitted to the Consulate on behalf of each applicant:

- the applicant's passport, valid for at least 6 months, signed and with at least one visa blank page available (amendment page not accepted);

- the printed receipt page (with barcode) of the online visa application form (<https://scedv.serpro.gov.br/>); this receipt must be signed by the passport holder (or his parents or legal guardian if a minor) and the photo must be glued on the appropriate box (please fill out the form as completely as possible). You MUST print the Visa Application Receipt (page with a bar code);

NOTE: When you access the online visa application -<http://https://scedv.serpro.gov.br/> - you may receive a security warning and see the message: "untrusted connection" or "security certificate's problem". This occurs because the new ICP-Brasil (the security certificate) is not yet automatically recognized by some browsers.

Please be advised that the website you are redirected to is a secure website. The security certificate is issued by the Brazilian company responsible for the software used by the Brazilian Government.

- one recent 2" x 2" passport photo of the applicant, front view, white background (please glue the photo onto the receipt page - see above; note that snapshots and computer pictures are not accepted), maximum 6 (six) months old;

- a photocopy of your round-trip ticket or a booked itinerary showing travel to and from Brazil (confirming the purchase of the ticket, with passenger's name, itinerary, flight number and arrival/departure dates);

- a photocopy of the U.S. Alien Resident Card for foreign residents and/or a valid visa or document to return from Brazil to the US or to another country;

- proof of residency (driver's license, utility bill);

- schedule an appointment (In order to schedule your online appointment you must have the protocol number from your printed visa application form).

The Consulate may request additional information or documentation as deemed necessary.

General information

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Information about registration

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Margareth Nunes - ext. 124 - margareth.nunes@abmbrasil.com.br

Information about sponsorship

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