

# First Announcement

## *International Congress of Metallurgy and Materials*

### **16<sup>th</sup> SAM – CONAMET**

**November 22 - 25, 2016**

**Córdoba – Argentina**

**Symposium on Materials and Technologies for Metalworking  
and Aerospace Industries**

<http://sam-conamet2016.congresos.unc.edu.ar/>

#### **About the Congress**

The SAM-CONAMET Congress is one of the main Latin American conferences related to research, technology and applications in different Materials Science areas. The aim of this meeting is to bring together the Iberoamerican community with interests alike to promote critical discussions on the latest developments in Materials Science. It intends to be an update on new materials research and to provide an insight into the current state of the research carried out in the field. Over the years, this Congress has been continuously growing in terms of number of participants, reaching -in its last edition- assistants from over 20 European and American countries. For the 2016 Meeting, around 800 contributions and over 400 participants are expected from academic, governmental, industrial and research sectors.

#### **Congress Topics**

- T01. Processing and Extractive Metallurgy
- T02. Casting Solidification and Welding
- T03. Powder Metallurgy
- T04. Physical Metallurgy, Plastic Deformation and Mechanical Properties
- T05. Heat Treatments and Phase Transformations
- T06. Corrosion, Protection and Electrochemistry
- T07. Thin Films and Surface Treatments
- T08. Fracture, Fatigue and Failure Analysis
- T09. Tribology, Surface and Weathering
- T10. Ceramic, Refractory and Vitreous Materials
- T11. Materials for Construction
- T12. Polymeric Materials
- T13. Biomaterials
- T14. Composite Materials
- T15. Nuclear Materials
- T16. Semiconductor, Electronic and Magnetic Materials
- T17. Superconductors and Ionic Conductor Materials
- T18. Computacional Simulation of Materials
- T19. Materials characterized by Optical, Acoustic and Other Methods
- T20. Historical Metallurgy
- T21. Education in Science and Technology of Materials
- T22. Nanostructured Materials

## Invited Speakers

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<i>Aldo Craievich</i>	<i>Institute of Physics, USP, São Paulo, Brasil</i>
<i>Esteban Busso</i>	<i>National Aerospace Research Centre, Francia</i>
<i>Luis F. Marsal</i>	<i>Univ. Rovira i Virgili, Tarragona, España</i>
<i>Pablo Esquinazi</i>	<i>University of Leipzig, Alemania</i>
<i>Rohit Trivedi</i>	<i>Iowa State University, USA</i>
<i>Carlos González Oliver</i>	<i>CAB, Argentina</i>
<i>Carlos Moina</i>	<i>INTI Proc. Superficiales, Argentina</i>
<i>Carlos Oldani</i>	<i>FCEfN-UNC, Córdoba, Argentina</i>
<i>Gustavo Sánchez Sarmiento</i>	<i>Fa, de Ing. UBA Argentina</i>
<i>Hernán Svoboda</i>	<i>UBA, INTI, Argentina</i>
<i>Juan Perez Ipiña</i>	<i>Univ. Nac. del Comahue-Argentina</i>
<i>Lucio Iurman</i>	<i>UNS, Bahía Blanca, Argentina</i>
<i>Roberto Boeri</i>	<i>INTEMA-UNMDP, Mar del Plata, Argentina</i>

## About the Symposium

This is the first edition of the **Symposium on Materials and Technologies for the Metalworking and Aerospace Industries** in a SAM/CONAMT Congress. The main goal of this Symposium is to address topics mainly related to the obtaining, processing and disposal of materials and the related technologies. Different Argentinian regions, such as the Province of Córdoba, and in particular its metropolitan area have industries related to practical applications of materials. The aerospace industry, that builds aircrafts, rockets and satellites; the metalworking industry with the manufacture of cars, trucks and components and all the industries related to agricultural machinery and equipment, are among the most important. Another relevant topics considered in this Symposium are minerals extraction and treatment, the development of biomaterials, surgical instruments, elastomers, plastics, composites and ceramics. The diversity and specificity of these industries gave rise to products and services ranging from casting and production to recycling and/or final disposal of materials, requiring the development and use of specific software for modelling processes and predicting the outcome. The region of Córdoba is further characterized for having a high concentration of universities, technical colleges, research centres and laboratories that have helped to develop a critical mass of researchers, professionals and technicians with the appropriate training and expertise in the industry and technology of materials. For these reasons, the primary objectives of this Symposium are to obtain the attention of the industry, education and applied research sectors, to provide an appropriate environment for the dissemination and access to the technological knowledge and to strengthen and expand the networking between professionals in related topics.

## Symposium Topics

- S01. Metals
- S02. Manufacturing Processes of Composite and Polymers
- S03. Ceramic, Semiconductors and Magnetic Materials and Nanomaterials
- S04. Foundry Processes
- S05. Plastic Forming Processes
- S06. Welding Processes
- S07. Heat Treatments
- S08. Machining Processes
- S09. Tribology
- S10. Degradation, Corrosion and Protection
- S11. Failure Analysis
- S12. Modelling and Simulation of Products and Processes
- S13. Robotic and Automation
- S14. Quality in Manufacturing Processes
- S15. Materials Characterization and Non destructive Testing
- S16. Waste Management and Recycling

## Invited Speakers

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<i>Fernando Actis</i>	<i>Quality Director, TERNIUM SIDERAR, Buenos Aires, Argentina</i>
<i>Esteban P. Busso</i>	<i>Scientific Director – Materials and Structures Branch – ONERA – National Aerospace Research Centre, Palaiseau, Francia</i>
<i>Ricardo Scorza</i>	<i>Volkswagen Argentina S.A. – Centro industrial Córdoba – UNIVERSIDAD TECNOLÓGICA NACIONAL – FACULTAD REGIONAL CÓRDOBA, Córdoba, Argentina</i>
<i>Jorge Halabí</i>	<i>SUDOSILO S.A. – UNIVERSIDAD CATÓLICA DE CÓRDOBA, Córdoba, Argentina.</i>
<i>Alejandro Burqueño</i>	<i>Laboratorio de Soldadura y Certificación de Soldadores INTI-Mecánica, Argentina</i>
<i>Jorge Schneebeli</i>	<i>Special Projects Manager, Director INTI-Mecánica, Argentina.</i>

# Important Dates

**Pre-registration and abstract submission:** from March 1<sup>st</sup> to April 30

**Acceptance Notification:** June 15

**Submission of full papers:** from June 15 until July 31

**Acceptance Notification of full papers:** September 15

**Early Inscription:** from July 31 to October inclusive.

**Late Inscription:** from October 15 to November 25.

**Congress/Symposium Opening:** November 22

## Registration Fees

	Professionals		Graduate students		Undergraduate Students	
	Early registration	Normal registration	Early registration	Normal registration	Early registration	Normal registration
Member of SAM/SOCHIM/AFA	200	300	150	200	70	70
Non-Member	250	350	180	230	70	70

The payment will be enabled after the date of acceptance of abstracts notification, ie from 15 June (see Important Dates).

The deadline for Early Payment will be until October 14 inclusive.

The undergraduate and graduate students must prove that status by Regular Student Certificate or Analytical Certificate to be sent together with proof of payment transfer.

## Pre-registration and abstract submission

The abstract template is available for download in:

<http://sam-conamet2016.congresos.unc.edu.ar/>

The abstract template must be sent as .pdf format.

The manuscript should be uploaded via the web platform: <http://sam-conamet2016.congresos.unc.edu.ar/>; following the steps in the tabs: "Congress" → "Call for Papers and Works" or "Symposium" → "Call for Papers and Works" as appropriate

# International Congress of Metallurgy and Materials 16<sup>th</sup> SAM – CONAMET

## Program Committee

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Paula Bercoff (FAMaF-UNC, Córdoba, Argentina)	

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## Simposium on Materials and Technologies for Metalworking and Aerospace Industries

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