

# **BIOCERAMICS 25**

**25th Symposium and Annual Meeting of  
International Society for Ceramics in Medicine  
(ISCM)**

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## **First Announcement**

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***07-10<sup>st</sup> November 2013  
Bucharest, Romania***



# Welcome to the **BIOCERAMICS 25**

Dear Colleagues,

It is a great pleasure for me to invite you to Romania to attend the **25th Symposium and Annual Meeting of the International Society for Ceramics in Medicine (BIOCERAMICS25)**, which will be held in *Bucharest* from *November 07-10, 2013*.

Bucharest is Romania's capital and largest city, as well as the most important industrial and commercial centre of the country. With more than 2.4 million in the urban area, Bucharest is one of the important cities in Europe and a booming city with many large infrastructure projects changing the old face of the city. Known in the past as "The Little Paris," Bucharest has changed a lot lately, and today it has become a very interesting mix of old and new that has little to do with its initial reputation. Finding a 300 year old church near a steel-and-glass building that both sit next to a communist style building is commonplace in Bucharest. Bucharest offers some excellent attractions, and has cultivated a sophisticated, trendy, and modern sensibility that many have come to expect from a European capital.

We look forward to welcoming participants from countries around the world to Bucharest in November 2013.

With Best Regards,

**Presidents of Bioceramics-25**

**Iulian Antoniac, Ph.D.**

# Organizers

**International Society for Ceramics in Medicine (ISCM)**

**Romanian Society for Biomaterials**

## *Co-organizers*

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- UNAS [National Union of Stomatological Association]
- SOROT [Romanian Society of Orthopedics and Traumatology]
- SRPDMF [Romanian Society of Maxillo-Facial Prosthodontics]
- CMDR [Romanian Dental Council]

## *Endorsed by*

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- Romanian Ministry of Education, Research, Youth and Sports -  
National Authority for Scientific Research
- Romanian Chamber for Commerce and Industry
- European Society for Biomaterials (ESB)
- Biomaterials Network ([www.biomat.net](http://www.biomat.net))
- Tissue Engineering & Regenerative Medicine Society (TERMIS)
- Trans Tech Publications (Switzerland)

# Committees

## *ISCM Executive Committee*

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Antonio Moroni (Italy)  
Antti Uli-Urpo (Finland)  
Besim Ben-Nissan (Australia)  
Guy Daculsi (France)  
Hajime Ohgushi (Japan)  
Ian C. Clarke (USA)  
Kunio Ishikawa (Japan)  
Marcelo Prado (Brasil)  
E. Sabri Kayali (Turkey)  
Panjian Li (USA)  
Paul Ducheyne (USA)  
Raquel LeGeros (USA)  
Sukyoung Kim (Korea)  
Tadashi Kokubo (Japan)  
Takashi Nakamura (Japan)  
Xingdong Zhang (China)

## *ISCM Honorary Members*

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Laurent Sedel (France)  
Mario Barbosa (Portugal)  
Klaas de Groot (Netherland)  
Larry Hench (USA)  
Hironobu Oonishi (Japan)  
William Bonfield (UK)

## ***BIOCERAMICS SYMPOSIA***

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<b>Year</b>	<b>President</b>	<b>Site</b>
1988	Hironobu Oonishi, M.D.	Kyoto, Japan
1989	Gunther Heimke, Ph.D.	Heidelberg, Germany
1990	Samuel F.Hulbert, Ph.D.	Terre Haute, USA
1991	William Bonfield, Ph.D.	London, UK
1992	Takao Yamamuro, M.D.	Kyoto, Japan
1993	Paul Ducheyne, Ph.D.	Philadelphia, USA
1994	Antti Yli-Urpo, Ph.D.	Turku, Finland
1995	Larry L. Hench, Ph.D.	Ponte Vedra, USA
1996	Tadashi Kokubo, Ph.D.	Otsu, Japan
1997	Laurent Sedel, M.D.	Paris, France
1998	Raquel Z. LeGeros, Ph.D.	New York, USA
1999	Hajime Ohgushi, M.D.	Nara, Japan
2000	Antonio Moroni, M.D.	Bologna, Italy
2001	Ian C. Clarke, Ph.D.	Palm Springs, USA
2002	Besim Ben-Nissan, Ph.D.	Sydney, Australia
2003	Mario A. Barbosa, Ph.D.	Porto, Portugal
2004	Panjian Li, Ph.D.	New Orleans, USA
2005	Takashi Nakamura, M.D.	Kyoto, Japan
2006	Xingdong Zhang, Ph.D.	Chengdu, China
2007	Guy Daculsi, Ph.D.	Nantes, France
2008	Marcelo Prado, D.Sc.	Buzios, Brasil
2009	Sukyong Kim, Ph.D.	Daegu, Korea
2011	Eyup Sabri Kayali, Ph.D.	Istanbul, Turkey
2012	Kunio Ishikawa, Ph.D.	Fukuoka, Japan
2013	Iulian Antoniac, Ph.D.	Bucharest, Romania

## *Conference Staff*

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Iulian Antoniac (Romania)  
*BIOCERAMICS 25 President*

Guy Daculsi (France)  
*Chairman of the International Scientific Committee*  
Viorica Simon (Romania)  
*Co-Chairman of the International Scientific Committee*  
Kunio Ishikawa (Japan)  
*Co-Chairman of the International Scientific Committee*

Horia Iovu (Romania)  
*Chairman of the National Scientific Committee*

Elena Carmen Cotrutz (Romania)  
*Co-Chairman of the National Scientific Committee*

Simona Cavalu (Romania)  
*Co-Chairman of the National Scientific Committee*

Teodor Traistaru (Romania)  
*Co-Chairman of the National Scientific Committee*

Catalin Cirstoiu (Romania)  
*Co-Chairman of the National Scientific Committee*

## *International Scientific Committee*

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Guy Daculsi (France)  
Larry Hench (USA)  
Antti Uli-Urpo (Finland)  
Panjian Li (USA)  
Hajime Ohgushi (Japan)  
E. Sabri Kayali (Turkey)  
Antonio Moroni (Italy)  
Marcelo Prado (Brazil)  
Mario Barbosa (Portugal)  
Hironobu Oonishi (Japan)  
Sukyoung Kim (Korea)  
Catalin Cirstoiu (Romania)  
Takashi Nakamura (Japan)  
Luigi Ambrosio (Italy)  
Yuri Dekhtyar (Latvia)  
David Williams (UK)  
Lia Rimondini (Italy)  
Simona Cavalu (Romania)  
Christine Ortiz (USA)  
Frederic Marin (France)  
Matteo Santin (UK)  
Rainer Gadow (Germany)  
Maria Helena Fernandes (Portugal)  
Marius Scarlat (France)  
Iulian Antoniac (Romania)  
Kenneth J. Anusavice (U.S.A.)

William Bonfield (UK)  
Besim Ben-Nissan (Australia)  
Ian C. Clarke (USA)  
Paul Ducheyne (USA)  
Kunio Ishikawa (Japan)  
Gultekin Goller (Turkey)  
Rui Reis (Portugal)  
Tadashi Kokubo (Japan)  
Marc Bohner (Switzerland)  
John P. LeGeros (USA)  
Ecaterina Andronescu (Romania)  
Xingdong Zhang (China)  
James Kirkpatrick (Germany)  
Heimo Ylanen (Finland)  
Jose Miguel-Martin Martinez (Spain)  
Mauro Alini (Switzerland)  
David Watts (UK)  
Horia Iovu (Romania)  
Elazar Gutmanas (Israel)  
Davorin Medakovic (Croatia)  
Anna Tampieri (Italy)  
Rodrigo Moreno (Spain)  
Viorica Simon (Romania)  
Serena Best (UK)  
Teodor Traistaru (Romania)  
Elena Carmen Cotrutz (Romania)

## *National Scientific Committee*

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### *Chairman:*

Horia Iovu

### *Co-Chairmans:*

Elena-Carmen Cotrutz

Simona Cavalu

Teodor Traistaru

Catalin Cirstoiu

### *Members:*

Ecaterina Andronescu

Marioara Moldovan

Cornel Munteanu

Ion Mihailescu

Mihaela Pantea

Cristina Bortun

Diana Dudea

Iulian Popa

Rodica Marinescu

Dan Barbu

Cristina Ghitulica

Liliana Verestiuc

Ion Morjan

Norina Forna

Sorin Popsor

Luminita Oancea

Alexandru Petre

Dan Laptoiu

Veronica Mercut

Örs Nagy

Viorica Simon

Iulian Antoniac

Viorel Braic

Mihai Rominu

Ion Patrascu

Vasile Burlui

Paul Botez

Ioan Cristescu

Cristian Stoica

Dan Poenaru



## *Organizing Committee*

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Iulian Antoniac	Alexandru Brezoescu	Catalin Carstoiu	Cristina Ghitulica
Teodor Traistaru	Elena-Carmen Cotrutz	Dan Laptoiu	Simona Cavalu
Izabela Stancu	Toma Lucian Ciocan	Catalin Gagiu	Anton Fikai
Florin Miculescu	Cosmin Cotrut	Razvan Ene	Tudor Petreus

## *Conference Secretariat*

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Robert Bololoi	Robu Alina	Diana Vranceanu	Cristian Dobreci
Aurora Antoniac	Mihaela Dinu	Vlad Dumitrache	Andrei Toncu
Ana-Iulia Blajan	Sergiu Radulescu	Cristina Craciun	Sergiu Drafta

# General Information

## Topics

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This conference will be devoted to the following main themes:

**A – Bioceramics: Processing and Synthesis**

- Bioceramics: Fundamental Aspects (Particles, Microstructures, Properties)
- Designing and Engineering of Ceramic Composites
- Bioceramics and Biocomposites in Regenerative Medicine

**B – Bioceramics: Characterization and Testing**

- Surface Engineering and Ceramic Coatings
- Interaction with Cells and Tissue
- Adhesion and Interface Phenomena
- Biomineralization and Biomimetics

**C - Ceramics and Systems in Clinical Practice / Dentistry**

**D - Ceramics and Systems in Clinical Practice / Orthopaedics**

The main topics will be:

*Zirconia/Alumina Ceramics*

*Apatites*

*Bioglass and Glass-Ceramics*

*Biomineralization & Biomimetics*

*Calcium Phosphate Ceramics*

*Cell-Material Interactions*

*Cements*

*Bone Substitutes*

*Adhesives*

*Membranes*

*Coatings*

*Composites*

*Dental Materials*

*Drug Delivery Carriers*

*Scaffolds*

*Injectable Materials*

*Nanomaterials*

*Porous Ceramics*

*Surface Modifications for Metallic Biomaterials*

*Tissue Engineering*

*Clinical Applications in Dentistry*

*Clinical Applications in Orthopaedics*

*Clinical Applications in Maxillo-Facial Surgery*

*Clinical Applications in Other Surgical Fields*

*Varia*

## ***Conference Venue***

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07<sup>th</sup> November – 10<sup>st</sup> November 2013

Howard –Johnson Grand Plaza Hotel

Conference Center

Bucharest, Romania

5 - 7 Calea Dorobantilor, District 1, Bucharest, Romania 010551

Phone: (+4021) 201 5000; Fax: (+4021) 201 1888

reservations@hojoplaza.ro; www.hojoplaza.ro



## ***Technical exhibition***

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The technical exhibition will run in parallel with BIOCERAMICS 25 from 07<sup>th</sup> November to 10<sup>st</sup> November 2013, in the Conference Center of Howard-Johnson Grand Plaza Hotel, Bucharest, Romania. The technical exhibition will provide an opportunity to see the products and/or services offered by the companies from the fields of bioceramics characterization and processing, medical devices, in vitro diagnostics, orthopaedic surgery, dentistry and pharmaceuticals.

## ***Language***

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The official language of the BIOCERAMICS 25 Conference will be English.

## ***Internet services***

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Internet access is provided on the conference site. Also, will be available a speaker room for the speakers who want to run the presentation before the schedule.

# Registration

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## *Registration Fees*

**ISCM membership fees : 110 \$ (just the members of ISCM will receive the reduced fee).**

**The ISCM membership fees for 2013 could be payed in the same account like for the conference fees.**

### *Registration Fees (without publication in TTP)*

- **Non-members: 350 Euro**
- **ISCM Members: 300 Euro**
- **Young researchers: 200 Euro**

The fees cover the conference materials without conference volume, a certificate of attendance, free admission to all scientific sessions, workshop, seminars, technical exhibition and poster sessions, opening ceremony, welcome cocktail, lunch and coffee breaks.

### *Registration Fees (with publication in TTP)*

- **Non-members: 400 Euro**
- **ISCM Members: 350 Euro**
- **Young researchers: 250 Euro**

The fees cover the conference materials with conference volume (published by TTP, Switzerland), a certificate of attendance, free admission to all scientific sessions, workshop, seminars, technical exhibition and poster sessions, opening ceremony, welcome cocktail, lunch and coffee breaks.

The Banquet, Gala Dinner and Social Program are not included in the registration fees.

**Banquet: 50 euro** [Chairmans of the scientific sessions will be invited for free at the banquet].

**Gala Dinner: 80 euro**

**Accompanying persons: 100-300 Euro** (including Banquet; depends on the activities from social program – will be announced soon).

***For the normal registration (after 30 June) each participants will pay 100 euro extra.***

***For the late registration (after 30 July) each participants will pay 200 euro extra.***

***BIOCERAMICS 25 has applied for accreditation by the Romanian Dental Council and Romanian Medical Council to provide CME activity for medical specialist. The participants at the conference will be awarded with credit points from the Romanian Dental Council and Romanian Medical Council. There will be a special help desk in the registration area where the certificates will be available. More details will be provided soon.***

Young researchers (under 30 years; student or PhD student – Copy of student ID or an official letter in English signed by your supervisor required).

## ***Registration Form***

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*Link to Website Online Acces - coming soon*

## ***Accomodation***

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### **Hotel Booking**

*Link to Website - coming soon*

## ***Call for papers***

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Authors must follow the instructions for abstract(s) preparation and submission.

Each participant can register with a maximum of two papers.

The abstract(s) will be submitted using the conference website tools.

*Authors are requested to indicate the preferred type of presentation (oral or poster).*

The full papers (4pages/paper) will be published in 2013 issues of BIOCERAMICS 25 Proceeding, *Editors: Iulian Antoniac, Viorica Simon, Simona Cavalu*) published by Trans Tech Publications Ltd., similar to the previous BIOCERAMICS Conferences. More details and templates will be provided soon.

Also, based on a careful selection, the best papers will be recommended for publication in ISI journals representative for each scientific conference section.

### **ABSTRACT SUBMISSION**

*Link to Website Online Acces - coming soon*

## **Important Dates**

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Opening of the online acces for Registration & Abstract Submission: ***01 March 2013***

Abstract Submission (available through online access): ***15 May 2013***

Abstract Acceptance: ***15 June 2013***

Early Registration Deadline: ***30 june 2013***

Full Papers Submission: ***30 July 2013***

Normal Registration\* Deadline: ***30 July 2013***

\*(with full papers publication in BIOCERAMICS 25 proceeding)

***The full papers will not be published in the proceeding volume without the payment of the conference fees.***

Late Registration Deadline: ***15 September 2013***

# Keynote & Invited Speakers

## *Keynote Speakers (tentative list)*

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Larry Hench (USA)  
Mario Barbosa (Portugal)  
Guy Daculsi (France)  
Luigi Ambrosio (Italy)  
David Williams (UK)  
James Kirkpatrick (Germany)  
Xingdong Zhang (China)  
Dan Shechtman (Israel)  
Kunio Ishikawa (Japan)  
William Bonfield (UK)