

**3rd International Conference
“Biomaterials & Medical Devices”**

BiomMedD'2008

**7th General Meeting of Romanian
Society for Biomaterials**

**13-16th November 2008
Bucharest**

Second Announcement & Call for Papers

INVITATION

You are cordially invited to attend the third International Conference on Biomaterials and Medical Devices (BiomMedD'2008) to be held in Bucharest, Romania, November 13-16th, 2008. The event will also host the 7th General Assembly of the Romanian Society for Biomaterials. The BiomMedD'2008 Conference venue will be University Politehnica of Bucharest, Romania. The Conference aims to bring together scientists, clinicians and manufacturers interested in fundamental and applied research in biomaterials and medical devices. The organizers expect participants representing medicine and materials science, physics, chemistry, mechanics and biology from universities, research institutions, hospitals and companies involved in biomaterials, tissue engineering and medical devices. Application of biomaterials in clinical surgery and nanotechnologies will represent one of the main topics of BiomMedD'2008, according with the good relationship between Romanian Society for Biomaterials and other societies, partners of this conference:

- SRN [Romanian Society of Neurosurgery]
- SOROT [Romanian Society of Orthopedics and Traumatology]
- UNAS [National Union of Stomatological Association]
- SRCC [Romanian Society of Cardiovascular Surgery]
- RoSNeRa [Romanian Society for Neurorehabilitation]
- RoSCoS [Romanian Society for Vertebromedullar Pathology, Therapy and Recuperation]

Besides attending the Conference, the participants will enjoy the city of Bucharest, its atmosphere and entertainment, as well as its surroundings. We are looking forward to welcome you in Bucharest in November 2008.

Prof. Ecaterina Andronescu
Conference Chairman
Rector of Politehnica University of Bucharest

ORGANISERS

- Romanian Society for Biomaterials
- University Politehnica of Bucharest

CO-ORGANISERS

- SRN [Romanian Society of Neurosurgery]
- SOROT [Romanian Society of Orthopedics and Traumatology]
- UNAS [National Union of Stomatological Association]
- SRCC [Romanian Society of Cardiovascular Surgery]
- RoSNeRa [Romanian Society for Neurorehabilitation]
- RoSCoS [Romanian Society for Vertebro-medullar Pathology, Therapy and Recuperation]

ENDORSED BY

- European Society for Biomaterials
- Tissue Engineering Society International
- Pittsburgh Tissue Engineering Initiative
- Biomaterials Network
- European Cells & Materials

CONFERENCE STAFF

Chairman:

Ecaterina Andronescu

Vice-chairman:

Horia Iovu

Staff Members:

Dumitru Stanculescu

Vlad A. Ciurea

Teodor Traistaru

Bogdan C. Simionescu

Vasile Candea

ORGANISING COMMITTEE

Conference Manager:

Iulian Antoniac

Members:

Carmen Elena Cotrut

Viorel Melnig

Paul Botez

Viorica Simon

Codruta Nicola

Moldovan Marioara

Rominu Mihai

Alexandru Morega

Georgeta Cosmeleata

Catalin Cirstoiu

Purghel Florian

Gelu Onose

Ion Patrascu

Ionel Droc

Corneliu Trisca-Rusu

CONFERENCE SECRETARIAT

Laptoiu Dan

Miculescu Marian

Adriana Lungu

Monica Haras

Tudor Petreus

Gabriel Furtos

Felix Brehar

Robert Bololoi

SCIENTIFIC COMMITTEE

President of the Scientific Committee: Bogdan Simionescu (Romania)

- Luigi Ambrosio (Italy)
- Vlad Alexandru Ciurea (Romania)
- Teodor Traistaru (Romania)
- Mario Barbosa (Portugal)
- Horia Iovu (Romania)
- Maria Sajin (Romania)
- James Kirkpatrick (Germany)
- Ecaterina Andronescu (Romania)
- Dan Poenaru (Romania)
- Iulian Antoniac (Romania)
- Codruta Nicola (Romania)
- Abhay Pandit (Ireland)
- Rui Reis (Portugal)
- Gelu Onose (Romania)
- Jacques Lemaitre (Switzerland)
- Ionel Droc (Romania)
- Aurelia Meghea (Romania)
- Irinel Popescu (Romania)
- Antonio Merolli (Italy)
- Anton Hadar (Romania)
- Ioan Vida-Simiti (Romania)
- Josep Planell (Spain)
- Norina Forna (Romania)
- Dumitru Stanculescu (Romania)
- Buddy Ratner (U.S.A.)
- Viorica Simon (Romania)
- Lucien Reclaru (Switzerland)
- Ion Patrascu (Romania)
- Alexandru Morega (Romania)
- Geoff Richards (Switzerland)
- Andrei Tudor (Romania)
- David Williams (U.K.)
- Constantin Cotrutz (Romania)
- Zhang Xingdong (China)
- Alex Dommann (Switzerland)
- Maya Simionescu (Romania)

TOPICS

- Biomaterials
- Biocompatibility
- Surface engineering
- Nanostructures and nanotechnology
- Tissue engineering
- Drug and gene delivery
- Molecular biology
- Infection and sterilisation
- Interaction with living cells
- Hard and soft tissues regeneration and repair
- Tissue engineering
- Biomechanics
- Biotribology
- biomimetics
- Computer modelling and prototyping
- Clinical applications of biomaterials: orthopaedic, neurosurgery, dental, maxillofacial, ophthalmology, cardiovascular, cosmetic, other medical fields
- Biomaterials application in biomedical instrumentation
- Implant retrieval
- Failure analysis
- Artificial organs
- Biosensors
- Brain and neural engineering
- Informatic application for biomaterials
- Standards and regulation
- Education in biomaterials and medical engineering

INVITED SPEAKERS (PRELIMINARY LIST)

HONORARY MEMBERS OF S.R.B.

✚ **Ecaterina Andronescu (Romania)**

Rector
University Politehnica of Bucharest

✚ **C. James Kirkpatrick (Germany)**

Director & Professor
Institute of Pathology, Johannes Gutenberg
University, Mainz
Past President of ESB

✚ **Lucien Reclaru (Switzerland)**

Director of the Biocompatibility Department
PX Group

✚ **Zhang Xingdong (China)**

Director & Professor
Engineering Research Center in Biomaterials,
Sichuan University, Chengdu, P. R. CHINA
Vice-chairman and secretary general of Chinese
Committee for Biomaterials (CCBM)

✚ **Emil Constantin (Romania)**

Professor
University "Dunărea de Jos" Galați

✚ **Luigi Ambrosio (Italy)**

Director & Professor
Institute of Composite Materials Technology; National
Research Council and Interdisciplinary Research
Centre in Biomaterials
University of Naples Federico II, Naples
ESB President

✚ **David F. Williams (U.K.)**

Director & Professor
University of Liverpool

✚ **Jacques Lemaitre (Switzerland)**

Ecole Polytechnique Federale de Lausanne - Swiss
Federal Institute of Technology EPFL-LTP, Lausanne,
Switzerland

✚ **Borzea Dorin (Romania)**

Professor
University of Medicine and Pharmacy "Iuliu Hatieganu"
Cluj-Napoca

INVITED

✚ **Buddy Ratner (U.S.A.)**

Director & Professor
University of Washington Engineered Biomaterials
UWEB

✚ **Geoff Richards (Switzerland)**

Program Leader Bio-Performance of Materials &
Devices; AO Research institute
Editor-in-Chief of European Cells & Materials

✚ **Jan Chlopek (Poland)**

Professor
AGH-University of Science and Technology,
Faculty of Materials Science and Ceramics,
Department of Biomaterials
Vicepresident of Polish Society for Biomaterials

✚ **Bogdan Simionescu (Romania)**

Professor, Member of the Romanian Academy
Technical University "Gh. Asachi", Iași/ICM "Petru
Poni", Iași

✚ **Irinel Popescu (Romania)**

Professor, University Medicine and Pharmacy
"C.Davila", Bucharest

✚ **Rui Reis (Portugal)**

Associate Professor Mat. Sci. Eng. & Biomaterials
Director 3B's Research Group, Dept. of Polymer
Engineering, University of Minho
Editor-in-Chief Journal of Tissue Engineering and
Regenerative Medicine

✚ **David Watts (U.K.)**

Director & Professor
University of Manchester Dental School
Editor in Chief Dental Materials

✚ **Alex Dommann (Switzerland)**

Vice-President,
Chief Technology Officer
CSEM, the Swiss Center for Electronics and
Microtechnology, Inc.

✚ **Maya Simionescu (Romania)**

Director & Professor
Institute of Cellular Biology and Pathology "N.
Simionescu", Bucharest
Vicepresident of the Romanian Academy
President of the Romanian Society for Cell Biology

✚ **Josep Estany Planell (Spain)**

Director & Professor
Centre de Recerca en Enginyeria Biomedica (CREB);
CMEM Department; Universitat Politècnica de
Catalunya, Barcelona
Vice-President of the European Society of Biomaterials.

✚ **Thaddeus B. Massalski (U.S.A.)**

Professor of Metallurgical Engineering Materials
Science and Physics, Carnegie Mellon University
Executive Secretary and Board Governor Acta
Materialia

✚ **Mario Barbosa (Portugal)**

Director & Professor
Scientific coordinator of INEB - Instituto de Engenharia
Biomédica; Faculdade de Engenharia da Universidade
do Porto (FEUP).

✚ **Abhay Pandit (Ireland)**

Professor in Biomedical Engineering Department of
Mechanical and Biomedical Engineering & National
Centre for Biomedical Engineering Science National
University of Ireland, Galway

✚ **Georg Duda (Germany)**

Director & Professor
Musculoskeletal Research Center Berlin Charité,
University Medicine Berlin Free and Humboldt-
University of Berlin

CALL FOR PAPERS

Each participant can register with a maximum of two papers. Authors must follow the instructions for abstract(s) preparation and submission (www.srb.ro/conference/biommedd2008/). The accepted abstracts will be published in a volume to be available at the meeting.

The abstract(s) will be submitted as Microsoft Word 97 data file for PC as e-mail attached document(s) to secretar@srb.ro and iantoniac@gmail.com or by conference website [recommended].

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

Some selected papers will be published in some special issues of representative journals for each conference section, ISI indexed journal [for example, Journal of Optoelectronics and Advanced Materials].

CONFERENCE FEES

- Non-members SRB, UNAS, SRN, SOROT, SRCC	- 200 Euro
- Members SRB, UNAS, SRN, SOROT, SRCC	- 150 Euro
- Young researchers - Non-members SRB, UNAS, SRN, SOROT, SRCC	- 80 Euro
- Young researchers - Members SRB, UNAS, SRN, SOROT, SRCC	- 40 Euro
- Accompanying persons [with social program attendance]	- 300 Euro
<i>Social Program [optional]</i>	
- Chairman's Banquet (14.11.2008)	- 50 Euro
- Gala Dinner (15.11.2008)	- 70 Euro
- Tour of Bucharest (16.11.2008)	- 50 Euro
- Circuit "Brancusi" (15.11.2008)	- 100 Euro

The fees include the conference abstract volume, a certificate of attendance, and allow the access to scientific sessions and seminars, to the technical exhibition and poster sessions, to the welcome cocktail, coffee breaks and lunch. A special program will be organized for the accompanying persons.

Account:

- IBAN RO09RNCB5060000295580002, Scientific Association ROMANIAN SOCIETY FOR BIOMATERIALS, Romanian Comercial Bank, sector 6, Bucharest (for payment in EURO)
- IBAN RO09RNCB5060000295580001, Asociatia Stiintifica SOCIETATEA ROMANA DE BIOMATERIALE, Banca Comerciala Romana, sector 6, Bucuresti (pentru plata in ROL), cod fiscal: 15318801.

Please mention the participant name and the conference title "BiomMedD 2008".

IMPORTANT DEADLINES

Reception of Abstracts	September 05, 2008
Notification of Acceptance	September 15, 2008
Full papers Acceptance	October 15, 2008

The General Assembly of the Romanian Society for Biomaterials will take place on November 15th, 2008.

PRELIMINARY PROGRAM

- **Invited Lectures**

- **Scientific Sessions**

- Biomaterials Characterization and Processing
- Nanotechnology and Nanomaterials for Medicine
- Tissue Engineering
- Surface Engineering & Biofunctionalization
- Orthopaedic Biomaterials
- Dental Biomaterials
- Biomaterials in Cardiovascular Surgery
- Biomaterials in Neurosurgery and Rehabilitation
- Biomaterials Applications in Bioengineering / Varia

- **Poster Sessions**

- **Young Scientist Forum [YSF-RO1]**

- First edition of the Young Scientist Forum organized by Romanian Society for Biomaterials

- **Seminars**

- Seminar 1**

- Biomaterials and medical devices: new research directions
 - Opportunities offered by FP7 and other European programs

- Seminar 2**

- Biomaterials and medical devices: nomenclature and basic definitions
 - Human resources: education and training

- Seminar 3**

- Biomaterials and medical devices: from basic research to industry and clinical application

- **Technical Exhibition**

A technical exhibition will run in parallel with BiomMedD'2008, in the halls of the University Politehnica of Bucharest. The exhibitors will have the opportunity to present their products and technologies. The companies interested in presenting their products/technologies are requested to contact the Conference Manager (phone/fax: + 40744369288; e-mail: iantoniac@gmail.com).

CONFERENCE WEB SITE

www.srb.ro/biommedd2008/index.html