

8-12 OCTOBER 2000



3RD INTERNATIONAL CONFERENCE ON BIOELECTROMAGNETISM

and

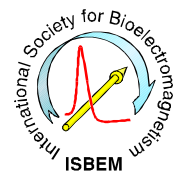
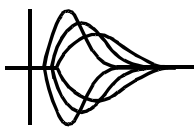
1st Slovenian-Croatian Meeting
on Biomedical Engineering



in connection with

COST 244bis Workshop on Biomedical Applications
and Management Committee Meeting

7-8 October 2000



Organised by:

- * Slovenian Society for Medical and Biological Engineering
- * Faculty of Electrical Engineering, University of Ljubljana
- * Institute of the Republic of Slovenia for Rehabilitation
- * Croatian Medical and Biological Engineering Society

Under the auspices of:

- * International Society for Bioelectromagnetism

Sponsored by:

- * IEEE / Engineering in Medicine and Biology Society
- * European Bioelectromagnetics Association
- * URSI Commission K - Electromagnetics in Biology and Medicine
- * Institute of Oncology, Ljubljana, Slovenia
- * Slovenian Biophysical Society

ANNOUNCEMENT and CALL FOR PAPERS

All information available at <http://lbk.fe.uni-lj.si/icbem/>

Organising Committee

Damijan Miklavcic (President)
Tomaz Jarm
Marko Puc
David Cukjati
Tadej Kotnik
Stanislav Rebersek
Katarina Beravs

Scientific Committee

Tadej Bajd (Slovenia)
Vedran Bilas (Croatia)
Ruggero Cadossi (Italy)
Rene De Seze (France)
Franci Demsar (Slovenia)
Hannu Eskola (Finland)
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Sven Loncaric (Croatia)
Ratko Magjarevic (Croatia)
Jaakko Malmivuo (Finland)
Roman Maniewski (Poland)
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Marko Munih (Slovenia)
Eberhard Neumann (Germany)
Richard Nuccitelli (U.S.A.)
James Ryaby (U.S.A.)
Gregor Sersa (Slovenia)
Betty Sissen (U.S.A.)
Selma Supek (Croatia)
Martin Stefancic (Slovenia)
Stanko Tonkovic (Croatia)
Zvone Trontelj (Slovenia)
Leslie Tung (U.S.A.)
Shoogo Ueno (Japan)
Lojze Vodovnik (Slovenia)

A Word from the Organisers

We have the pleasure to invite you to the third International Conference on Bioelectromagnetism (3rd ICBEM) and to the first Slovenian-Croatian Meeting on Biomedical Engineering (1st Slo-CroMBE) to be held in a beautiful alpine resort of Bled, Slovenia, from 8-12 October 2000. We wish to bring together an international multidisciplinary group of researchers, engineers, medical doctors, and manufacturers engaged in different aspects of fundamental and applied research of interaction of electromagnetic fields and the living. We will make every effort to make your staying and participating at the conference fruitful and pleasant. We wish you to benefit from your staying in Bled from scientific, social, and cultural point of view.

Sincerely, Organising Committee

Scope

Many biological processes within the living organism, from cellular up to the organism level, are based on bioelectric and biomagnetic phenomena. These phenomena are still not completely understood and are subject of many scientific studies. The purpose of this conference is to reflect the present state of this research.

Scientific Program

The Scientific Program of 3rd ICBEM and 1st Slo-CroMBE will depend very much on the papers you are going to submit for presentation. The preliminary topics to be covered by the Conference include but are not restricted to:

- fundamental mechanisms
- theory and models
- measurement and dosimetry
- technology and devices
- health risk effects
- functional electrical stimulation (FES)
- electroporation
- soft tissue and bone healing
- clinical engineering
- new techniques in MRI

Publication of Papers

All contributions submitted for presentation at the 3rd ICBEM will be reviewed by the international Scientific Committee. All papers (extended abstracts) accepted for presentation will be published in the International Journal of Bioelectromagnetism (IJBEM), a peer-reviewed journal published by the International Society for Bioelectromagnetism (ISBEM). This is a scientific journal dedicated to publication of papers related to bioelectromagnetism. It is an online electronic journal accessible free of charge at the URL <http://www.tut.fi/ijbem/>. A printed version will be also available.

In order to facilitate publication of the Proceedings of the Conference all authors are kindly requested to follow the instructions for abstract preparation and submission as closely as possible.

Important Dates & Deadlines

Abstract submission deadline:	1 May 2000
Notification of acceptance:	after 1 June 2000
Early registration deadline:	1 July 2000
Regular registration deadline:	15 September 2000
On-site registration:	8-12 October 2000
Hotel reservation deadline:	30 September 2000
COST 244bis Meeting	7-8 October 2000
3rd ICBEM & 1st Slo-CroMBE:	8-12 October 2000

ANNOUNCEMENT and CALL FOR PAPERS

All information available at <http://ljk.fe.uni-lj.si/icbem/>

Contact Addresses

Please feel free to contact the **Organising Committee** if you need any further information regarding the Conference. Your questions regarding accommodation and other tourist information should be directed to our designated Congress and Tourist Agency **Albatros Bled**.

3rd ICBEM - Organising Committee

(Prof. Damijan Miklavcic - president)
 Faculty of Electrical Engineering
 University of Ljubljana
 Trzaska 25, SI-1000 Ljubljana
 SLOVENIA

Tel.: +386 61 1768-456 or +386 61 1768-264

Fax: +386 61 1264-658

E-mail: 3rdICBEM@svarun.fe.uni-lj.si

WWW: <http://ljk.fe.uni-lj.si/icbem/>

ALBATROS Bled - Tourist Agency

Ribenska 2, SI-4260 Bled
 SLOVENIA

Tel.: +386 64 741-101 or +386 64 741-010

Fax: +386 61 741-031

E-mail: albatros@albatros-bled-sp.si

IMPORTANT!

- **Abstracts** and **Abstract Submission Forms** must be sent to the **3rd ICBEM Organising Committee**.
- **Registration Form** and **all payments** must be sent to our designated tourist agency **Albatros Bled**.
- **Hotel Reservation Form** must be sent to our designated tourist agency **Albatros Bled**.

Abstract Submission

Authors are encouraged to submit summary of their original scientific work for either oral or poster presentation. Please see detailed information about preparing and submitting your extended abstract in the **Abstract Submission Form** and in the **Instructions for Authors** - the two documents included in this package.

Both documents are also available for download in PDF format from URL:

<http://ljk.fe.uni-lj.si/icbem/abstract/>

For the purpose of submission by e-mail the **Abstract Submission Form** is also available in plain text format from the same address.

Abstracts must be sent to the **Organising Committee** by **1 May 2000**. Late submission may result in our inability to include your presentation in the program of the Conference.

Registration

Registration is complete when we receive a completed **Registration Form** (included in this package) accompanied by a corresponding payment of the fee. The **Registration Form** in PDF format can be downloaded from:

<http://ljk.fe.uni-lj.si/icbem/registration/>

See the **Registration Form** for details about various registration fees, payment procedure, and cancellation policy. The deadline for **early registration at reduced prices** is **1 July 2000**.

Venue

Bled is a small town in the north-west part of Slovenia located at the foothills of Julian Alps and Karavanke Mountains. It is one of the leading tourist resorts in Slovenia with a long-time tourist tradition and offers a healthy sub-alpine climate, magnificent scenery, and numerous possibilities for recreation and special interest excursions.

3rd ICBEM and 1st Slo-CroMBE will take place at the **Festival Hall** congress centre in Bled, located on the bank of an alpine lake, a remnant of the last ice age. The alpine scenery of Bled is really picturesque. There is a small island with a church on the lake and a mighty medieval castle overlooks the town from a rock above the lake. Festival Hall is at a 5 minutes walking distance from all hotels and most other accommodation facilities in Bled.

Accommodation

Housing for the participants of the Conference will be provided in three hotels of different categories which are all within walking distance of the Festival Hall. A sufficient number of rooms is reserved for the participants at special discounted rates, so no deposit will be required for reservation. Please see the attached **Hotel Reservation Form** for more information. It is available in PDF format at:

<http://ljk.fe.uni-lj.si/icbem/hotel/>

Your completed **Hotel Reservation Form** must reach Tourist Agency **Albatros Bled** at the latest on **30 September 2000**. But please make your reservation as soon as possible since the number of rooms reserved in a particular hotel is limited and rooms will be allocated on **first reserved - first served** basis.

General Information



Slovenia in Europe. Slovenia is a Central-European country, located at the place where the Adriatic Sea cuts into the heart of mainland Europe, where the snowy peaks of the Alps gradually give way to forests and plains. Slovenia has borders with Italy in the west, Austria in the north, Hungary in the north-east, and Croatia in the south and the east. It

covers the area of 20,256 km². The population is about 2 million. Despite its size it offers great variability in terrain, climate, and culture. Various information about Slovenia is available at:

<http://www.matkurja.com/>

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Travel

By air:

The nearest three international airports are:

Ljubljana International Airport (Slovenia) at 35 km;

Klagenfurt Airport (Austria) at 65 km; and

Trieste Airport (Italy) at 160 km distance from Bled.

Slovenian national airline **Adria Airways** provides regular connections between Ljubljana International Airport and different European destinations. For detailed information check Adria's WWW homepage at <http://www.adria.si/>.

In addition to the flights operated by Adria Airways, the following airlines offer their own flights to/from Ljubljana: British Airways, Swissair, Austrian Airlines, Aeroflot, Avioimpex and Montenegro Airlines.

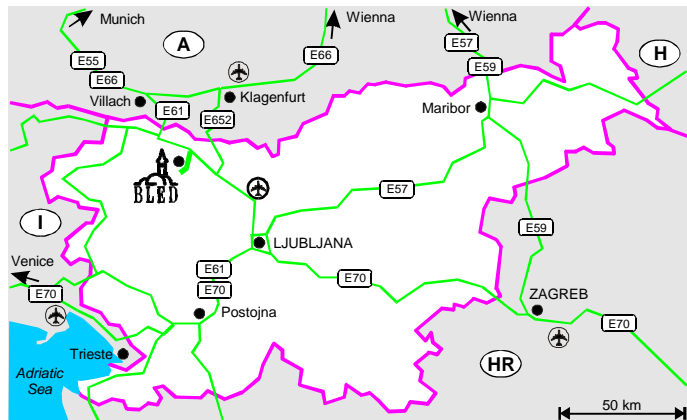
Special coach service will be organised by request for transport between Ljubljana International Airport and Bled. Please see the **Hotel Reservation Form** for further information.

By train:

Slovenia's capital Ljubljana (60 km distance from Bled) is situated at the crossing of important European railway lines. Therefore it is well connected to the rest of Europe by daily EuroCity, InterCity and Express trains. Most Slovenian towns including Bled can be reached by these and local trains.

By road:

Entering Slovenia by main European roads from Italy, Austria, Hungary, and Croatia.



Social Events and Excursion

We wish participants to the Conference and their accompanying persons to benefit from the event also culturally and socially. Several social events will be organised during the Conference including the Opening Ceremony, Welcome Reception, and Conference Banquette. There will also be an excursion to **Institute of the Republic of Slovenia for Rehabilitation**, a well known and established institution located in Slovenia's capital Ljubljana.

Special **Accompanying Persons'** program will be provided which includes the carriage fare around Lake Bled and trips to Lake Bohinj, Kropa Blacksmith Museum and Postojna Caves.

COST 244bis

COST 244bis Action on Biomedical Effects of Electromagnetic Fields

11th Workshop on Biomedical Applications and Management Committee Meeting
 7-8 October 2000, Bled - SLOVENIA

Scientific Committee:

Arne Wennberg (Sweden)

Joe Wiart (France)

Dina Simunic (Croatia)

Ulf Bergquist (Sweden)

Norbert Leitgeb (Austria)

Guglielmo D'Inzeo (Italy)

Luis Miro (France)

Terry Kenny (U.K.)

Gerd Friedrich (Germany)

What is COST?

COST stands for European Co-operation in the field of Scientific and Technical research. It is an open and flexible framework set up in 1971 now involving 25 countries from the European Union, Central and Eastern European countries, and Turkey. COST Actions involve pre-competitive or basic research and activities of public utility. COST Actions exist in over 15 research domains, the largest being COST Telecommunications which also includes COST 244bis Action.

What is COST 244bis?

COST 244 was one of the Actions in the COST Telecommunications domain which was started in 1992. Commencing in 1996 the **COST 244bis** Action is an extension of the original COST 244 Action on **Biomedical Effects of Electromagnetic Fields**. As its predecessor, COST 244bis focuses on co-ordination of European research in the area of biomedical effects of electromagnetic fields, on co-ordination and promotion of national research activities in this area at European level, and on stimulation of multidisciplinary collaboration between experts in medicine, biology, electrical engineering, physics etc. More information about specific activities of COST 244 and COST 244bis Actions can be found at:

<http://www.radio.fer.hr/cost244/>

The **11th Workshop on Biomedical Applications and COST 244bis Management Committee Meeting** will be the final event in the series of meetings of this Action.

Participants of 3rd ICBEM and 1st Slo-CroMBE

The first official day of 3rd ICBEM and 1st Slo-CroMBE will overlap with the final meeting of COST 244bis Action Group. The topics covered by COST meeting are related to those covered by 3rd ICBEM and 1st Slo-CroMBE. **All participants to the Conference will have free admittance to the COST 244bis scientific sessions.**

Exhibitions

Exhibitions can be arranged during the Conference. Companies, organisations and others interested in exhibitions related to biomedical engineering and medical physics in general should contact the **3rd ICBEM Organising Committee** for details.

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