

1st ANNOUNCEMENT



February 1998
Melbourne Australia



Is this your seat?

15 - 19 February 1998



IEEE



IFMBE



You could be sitting here after the conference looking out on beautiful Port Philip Bay in sunny Melbourne, Australia

PRESENTED BY

MONASH UNIVERSITY

Bioelectronics Group

Department of Electronic & Computer Systems Engineering



ORGANISED BY

MONASH UNIVERSITY

Office of Continuing Education



UNDER THE AUSPICES OF

**INTERNATIONAL SOCIETY FOR
BIOELECTROMAGNETISM (ISBEM)**



IN COOPERATION WITH

IEEE EMBS IFMBE

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 the subject of a lot of a scientific research. We hope that this conference will reflect the present state of this research.

PRESIDENT OF THE CONFERENCE

Dr Irena Cosic (Australia)

SCIENTIFIC COMMITTEE CO-CHAIRMEN

Dr Brian Lithgow (Australia)

Professor Metin Akay (USA)

Professor Jaakko Malmivuo (Finland)

KEYNOTE SPEAKER

Wilson Greatbatch inventor of the pacemaker.

SCIENTIFIC PROGRAM

Field measurements

- electrocardiography
- electroencephalography
- other electric fields
- magnetic field measurement and modelling
- signal and image analysis

Electric and magnetic stimulation

- pacemakers
- muscular stimulation
- cochlear implants
- magnetic stimulation of the brain

Effect of electromagnetic fields

- manmade electromagnetic irradiation
- natural irradiation
- effects on tissue levels
- effect on cellular level

Electric and magnetic impedance

- Plethysmography and Tomography
- Electrodermal characteristics

Electromagnetic properties in alternative medicine

- Impedance of acupuncture points
- Electric & laser stimulation in acupuncture

Biomolecular Electronics

- Molecular modelling of proteins
- Molecular interactions
- Molecular manipulations

PROGRAM CHAIRS

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Leonid Titomir

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Antony Rees

Irena Cosic

Lars Korsnes

DEADLINES

Paper submissions	25 September 1997
Notification of Acceptance	15 November 1997
Camera Ready Manuscript	1 December 1997
Registration (regular fee)	1 December 1997

PRE - CONFERENCE WORKSHOPS

Pre-conference workshops will be arranged in the fields of :

- ❖ electromagnetism in alternative medicine,
- ❖ signal and image processing,
- ❖ electro-muscular stimulation,
- ❖ biomolecular electronics and modelling.

The workshops will be held at Monash University, Caulfield Campus.

PRIZE

Ragnar Granit Prize will be awarded for the best young scientist contribution. The prize is funded by the Ragnar Granit Foundation, Tampere, Finland.

SOCIAL PROGRAM

An extensive social program is being planned including barbecues on the beach, bus trips to Phillip Island to watch the fairy penguins, and a special conference dinner.

VENUE

The conference will be held at the Sheraton Towers Hotel in the centre of Melbourne.

WORLD WIDE WEB

Look for our page which also has links to airline schedules and information about both Victoria and Australia.

<http://www.monash.edu.au/occe/icbem.htm>

EXHIBITION

During the conference a related exhibition will be held.



EXPRESSION OF INTEREST

2nd International Conference on Bioelectromagnetism Melbourne, Australia 1998

Return to : Monash University, Office of Continuing Education
Wellington Road, Clayton VIC 3168 AUSTRALIA Or Fax To : +61 3 9905 1343

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Title First Name Surname

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Position or Occupation

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Organisation

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Postal Address

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postcode

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I intend to submit a paper I propose to attend the Conference as a delegate

Please add my name to the mailing list I am interested in the Exhibition

INTERNATIONAL ADVISORY COMMITTEE

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