

## SCOPE

Many biological processes within living organisms, from cellular up to organism level, are based on bioelectric and biomagnetic phenomena. These phenomena are still not completely understood and are the subject of much scientific research. We hope that this conference will reflect the present state of this research.

## INTERNATIONAL ADVISORY COMMITTEE

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Patrick Celka (Switzerland)	Kazuo Yana (Japan)
Janet Rutledge (USA)	

## KEYNOTE SPEAKER

**Wilson Greatbatch** inventor of the pacemaker.

## STATE-OF-THE ART SPEAKERS

**Professor Julia J. Tsuei**, Taiwan

*Electromagnetism in Alternative Medicine*

**Dr Tina Karu** - Russia

*Laser Affects on Cell Culture*

**Professor Paul Nunez** - USA

*Electromagnetism of the Brain*

## CONFERENCE MANAGERS

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## TECHNICAL ENQUIRIES

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## SCIENTIFIC PROGRAM - CHAIRS

Field measurements	Robert Plonsey
electrocardiography	David Kilpatrick
electroencephalography	Andy Daubenspeck
other electric fields	Daming Wei
magnetic field measurement and modelling	Leonid Titomir
signal and image analysis	Metin Akay
magnetocardiography	Jaakko Malmivuo
magnetoencephalography	Jaakko Malmivuo
Electric and magnetic stimulation	Rajko Tomovic
pacemakers	Graeme Rathdowne
muscular stimulation	Robert Barnett
cochlear implants	Brian Lithgow
magnetic stimulation of the brain	Jaakko Malmivuo
Effect of electromagnetic fields	Tina Karu
manmade electromagnetic radiation	Stewart Jenvey
natural radiation	Andrew Wood
effect on the tissue level	Hiie Hinrikus
effect on the cellular level	Tina Karu
Electric and magnetic impedance	Stig Ollmar
plethysmography and Tomography	Dale Murphy
electrodermal characteristics	Stig Ollmar
Electromagnetic properties in	
alternative medicine	Julia Tsuei
impedance of acupuncture points	Marc Cohen
electric & laser stimulation in acupuncture	Julia Tsuei
Biomolecular Electronics	Richard Potember
molecular modelling of proteins	Antony Rees
molecular interactions	Irena Cosic
molecular manipulations	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

**14 & 15 February 1998**

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

- 1 electromagnetism in alternative medicine,  
Julia Tsuei & Mark Cohen
- 2 signal and image processing,  
Metin Akay
- 3 electro-muscular stimulation,  
Rajko Tomovic & Robert Barnett
- 4 biomolecular electronics and modelling,  
Anthony Rees & Irena Cosic

The workshops will be held at Monash University, (Caulfield Campus) only if sufficient enrolments are received.

## 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/oce/icbem.htm>