



IFAC BMS
2012

8th IFAC SYMPOSIUM ON BIOLOGICAL AND MEDICAL SYSTEMS

Budapest, Hungary / 29-31 August, 2012



CALL FOR PAPER

8th IFAC Symposium on Biological and Medical Systems

Budapest, Hungary / 29–31 August, 2012
bms.iit.bme.hu

Important dates

Submission of proposals
for invited speakers or sessions:

21 October, 2011

Paper submission deadline:

3 February, 2012

Notification of acceptance:

21 April, 2012

Final version due:

8 June, 2012

Scope of the Symposium

The Symposium provide a forum for the presentation of new developments in the important interdisciplinary field of biomedical systems involving the application of concepts, methods and techniques of modelling, informatics and control of complex biomedical systems. The Symposium address problems in biomedicine, physiology and biology related to:

- model formulation,
- experiment design,
- identification and validation,
- biosignals analysis and interpretation,
- developments in measurement,
- signal processing,
- tracer kinetic modeling using various
- imaging systems,
- biomedical system modeling, simulation and visualization,
- decision support and control.

International Programme Committee

Balázs Benyó, IPC chair
Péter Várady, IPC vice-chair from industry
Steen Andreassen, IPC co-chair
David Feng, IPC co-chair
Ewart Carson, IPC co-chair
J. Geoffrey Chase, IPC co-chair
Levente Kovács, editor

Application areas will include:

- cellular, metabolic, cardiovascular, neurosystems,
- healthcare management, disease control, critical care,
- pharmacokinetics and drug delivery,
- decision support systems for the control of physiological and clinical variables,
- biomedical imaging systems,
- intensive and chronic therapy,
- control of voluntary movements, respiration,
- rehabilitation engineering and healthcare delivery,
- kinetic modelling and control of biological systems and artificial organs,
- quantification of physiological parameters for diagnosis assessment.

Program Committee Members

Zoltán Benyó (HU)	Steffen Leonhardt (DE)
Ruth Bars (HU)	William S. Levine (US)
József Bokor (HU)	Claus Lindholt (DK)
Knud Buus Pedersen (DK)	Nigel Lovell (AU)
Tom W. Cai (AU)	Stanislav Matousek (CZ)
C.W. Chan (HK)	Mahdi Mahfouf (UK)
Kewei Chen (US)	Noureddine Manamanni (FR)
Claudio Cobelli (IT)	Johnny Ottesen (DK)
Neil D. Evans (UK)	Béla Paláncz (HU)
Thomas Desaive (B)	Stephen Patek (US)
Paul Docherty (NZ)	Bent Pedersen (DK)
Dario Farina (DK)	Ulrike Pielmeier (DK)
Niels Fridmodt-Møller (DK)	Stephen Rees (DK)
Eiko Furutani (JP)	Geoff Rodgers (NZ)
Keith R. Godfrey (UK)	Su Ruan (FR)
Kevin Guelton (FR)	Niilo Saranummi (FI)
Oliver Haas (UK)	Geoff Shaw (NZ)
Per Hagander (SE)	Olaf Simanski (DE)
Chris Hann (NZ)	Michel Sorine (FR)
Robert F. Harrison (UK)	Vasile Stoicu-Tivadar (RO)
Martin Hexamer (DE)	Josep Vehi (ES)
Henry Sung-Cheng Huang (US)	Xiuying Wang (AU)
Dan Stieper Karbing (DK)	Lingfeng Wen (AU)
Jiri Kofranek (CZ)	Dwayne Westenskow (US)
György Kozmann (HU)	Didier Wolf (FR)
Gernot Kronreif (AT)	Koon-Pong Wong (US)
Kai Kueck (DE)	Alina Zalounina (DK)
Adriaan Lammertsma (NL)	Janan Zaytoon (FR)
Aaron Le Compte (NZ)	Tiangze Zhuang (PRC)

Any other contributions to the development of modelling and control in biomedical and biological systems will be welcomed.

Registration Fee	Early	After 18.05.2012
Regular Registration Fee *	€ 450	€ 500
Student Registration Fee*	€ 300	€ 300
Extra paper fee	€ 60	€ 60
Banquet	€ 60	€ 60

* incl. all sessions, proceedings, three lunches, coffe breaks, banquet

Paper submission / Invited sessions and speakers

Papers must be submitted in PDF format according to the IFAC requirements. Accepted papers will be distributed at the symposium as pre-prints, and then published in electronic form on the IFAC-PapersOnLine web site (www.IFAC-PapersOnLine.net). Selected articles will be published in special issues of IFAC or IFAC-affiliated journals.

Suggestions for invited sessions and speakers/papers are welcome and can be submitted via the PaperCept site www.ifac.papercept.net/conferences/scripts/start.pl.

Social programs

Welcome reception–Banquet on the Danube–Lunches–Optional post-symposium tour

bms.iit.bme.hu