



IEEE CBMS 2009 Special Track on Intelligent Patient Management (IPM 2009)

The 21st IEEE Symposium on Computer-Based Medical Systems
August 3-4, 2009 MCM Elegante Hotel, Albuquerque, New Mexico, USA

<http://cval.ee.ttu.edu/cbms2009/>

Organizers

Adele Marshall
Queen's University of Belfast,
UK

CBMS 2009, sponsored by the IEEE Computer Society (Technical Committee on Computational Medicine, TCCM), and the Texas Tech University, is the 22nd formal meeting committed to formulating and advancing methods, techniques and tools for computer-based medical systems.

Sally McClean
University of Ulster, UK

CBMS 2009 is intended to provide an international forum for discussing the latest results in the field of computational medicine. The scientific program of CBMS 2009 will consist of invited keynote talks given by leading scientists in the field, and regular and special tracks sessions that cover a broad array of issues which relate computing to medicine.

Program Committee

Thierry Chausalet
University of Westminster, UK

Over the past three decades there has been a rapidly growing interest by Governments and healthcare providers, of most industrialised countries, to improve access and the quality of healthcare. The motivation for such research has been generated by many factors relating to the changing demographics in populations for example the increasing proportion of the elderly in the population and increased longevity, improved medical technologies and rising health aspirations by the general population.

Elia El-Darzi
University of Westminster, UK

The aim of this track is to build on the successes of IPM 2005, IPM 2006, IPM 2007 and IPM 2008 and consider the latest research in modelling patient care and resources within a healthcare system using intelligent computational and modeling techniques.

Adele Marshall
Queen's University of Belfast,
UK

Peter Millard
University of Westminster, UK
Emeritus Prof Geriatric Medicine,
St. George's Hospital, London.

The purpose of the workshop is to encourage the development of intelligent patient management systems from a CBMS perspective. Accordingly, it will bring together academic and industrial researchers with experts from the healthcare and medical fields to discuss the latest advances in modeling patient care and resource management.

Sally McClean
University of Ulster, UK

Topics of interest to the Intelligent Patient Management track include but are not limited to: Healthcare Information Systems, Decision Support Systems, Knowledge-based Systems and Data Mining, Artificial Intelligence and Management Science techniques, and possible hybrid approaches that include statistical techniques.

Karen Cairns
Queen's University of Belfast,
UK

Applications of particular interest include but are not restricted to: the modeling of patient flow in hospital and the healthcare system in general, the modeling of healthcare interventions, and the management of patient care, the allocation of resources, healthcare expenditure and performance.

IMPORTANT DATES

1st April 2009	Submission of full papers (for publishing in IEEE CBMS proceedings)
25th May 2009	Notification of acceptance for papers
21st June 2009	Final camera-ready copy due
21st June 2009	Pre-registration deadline

SUBMISSION PROCEDURES

Electronic submissions of original technical papers must be prepared following IEEE style. For Author Guidelines see Computer Society instructions at

<ftp://pubftp.computer.org/press/outgoing/proceedings/8.5x11%20-%20Formatting%20files/>

Submissions to be emailed to:

a.h.marshall@qub.ac.uk or si.mcclean@ulster.ac.uk