



Call for Papers
Special Session on “Intelligent Systems in Medicine and Healthcare”

The domain of medicine and healthcare always demands powerful and robust systems and tools to deal with a variety of challenging, and potentially life-saving, situations. Recently, there are growing interests to develop and use computational intelligence (CI) methodologies for tackling medical and healthcare related problems. This special session at KES2008 provides a forum for researchers and practitioners to present and discuss advancements in research and development of intelligent systems and their application to medicine and healthcare. The main topics include, but not limited to, the following:

Intelligent Systems

Knowledge-based systems, expert systems, fuzzy logic and systems, artificial neural networks, genetic algorithms and evolutionary computing, artificial immune systems, intelligent agents and multi-agent systems, Bayesian networks, decision trees, case-based reasoning, hybrid models, etc.

Applications in Medicine and Healthcare

Medical prognosis and diagnosis, medical decision support, medical data visualization and analysis, medical data mining and knowledge discovery, medical pattern classification, medical image processing, medical signal processing, medical informatics, healthcare information and education systems, healthcare devices and instrument, tele-medicine, etc.

Important Dates

Submission of papers:	1 February, 2008
Notification of acceptance:	1 April, 2008
Delivery of camera-ready papers:	1 May, 2008
Registration:	1 May, 2008

Prospective authors are requested to submit electronically full manuscript in PDF format to one of the following special session chairs for review.

Special Session Chairs

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The conference proceedings will be published by Springer in LNCS/LNAI. Extended versions of selected papers will be considered for publication in the *International Journal of Knowledge-Based & Intelligent Engineering Systems* (www.kesinternational.org/journal/). For further information, please contact the special session chairs.