



KES'2003
Seventh International Conference on
Knowledge-Based Intelligent Engineering Systems
3, 4 & 5 September 2003
Oxford, United Kingdom
www.brighton.ac.uk/kes/kes2003/

Call for Papers
Invited Session on
"Knowledge-Based Systems for Medical Decision Making"

Continuous advances in computational intelligence technology have enabled researchers to collect and effectively analyze large amounts of complex clinical data. In recent years, research in the interdisciplinary area of computer assisted medical decision-making has dramatically intensified. The overall objective is to provide physicians with computer tools that can assist them with their clinical decisions. This session aims to provide a platform for researchers to present and discuss recent breakthroughs in this area. The session will focus on (1) theoretical aspects of computer-assisted decision (CAD) tools, and (2) their practical applications in medicine.

Specific topics of interest include but are not limited to:

- Architectures and algorithms for knowledge-based medical decision systems
- Aspects of knowledge representation and reasoning
- Data mining and knowledge discovery in medical databases
- Applications of artificial intelligence in disease detection, diagnosis, treatment planning, and prognosis
- Applications of artificial intelligence in the automated interpretation of medical images

INSTRUCTION FOR AUTHORS

Only electronic copies of the papers in Microsoft Word, PDF or Postscript forms are acceptable for review purposes and must be sent to the session chair. However, please note that you will be required to send hard copy of the final version of your paper, if it is accepted; electronic submission of final papers is not allowed.

Papers must correspond to the requirements detailed in the Instructions to Authors which will be placed on the Conference Web Site, www.bton.ac.uk/kes/kes2003/

All papers must be presented by one of the authors, who must pay fees.

IMPORTANT DEADLINES

Deadline for submission intention: December 31, 2002

Deadline for receipt of papers by Session Chair: February 1, 2003

Notification of acceptance: March 1, 2003

Camera-ready papers to session chair by : April 1, 2003

(Session Chair must send final camera-ready papers to reach to KES Secretariat by 1 May 2003 or they will not appear in the proceedings).

SESSION CHAIR

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KES2003 is being organized by the University of Oxford, UK, General Chair: V. Palade

KES2003 is part of the KES Conference Series, Honorary Founder and Programme Committee Chair: L.C.Jain

KES2003 is administered by the KES Secretariat, University of Brighton, UK, Executive Chair: R.J.Howlett

KES2003 Program Committee and Contact details on www.brighton.ac.uk/kes/kes2003/