



INTERNATIONAL

**7th International KES Conference
on
INTELLIGENT DECISION TECHNOLOGIES**

KES-IDT-15

<http://idt-15.kesinternational.org>

17-19 June 2015

Kyoto, Japan

INVITED SESSION SUMMARY

Title of Session:

Intelligent Paradigms in Decision Support System in Healthcare

<http://idt-15.kesinternational.org/cmsISdisplay.php>

Name, Title and Affiliation of Chairs:

Dr Nikhil Ichalkaranje, Senior ICT Strategist, Office of the Chief Information Office, Government of South Australia, Adelaide, South Australia.

Ajita Ichalkaranje, Physiotherapist, Seven Steps Physiotherapy Clinic, Adelaide, South Australia.

Dr Sandhya Jain, Medical Practitioner, Adelaide, South Australia.

Details of Session (including aim and scope):

There is tremendous interest in the application of intelligent paradigms in every discipline including healthcare. Researchers have successfully demonstrated that machines are capable of learning like humans but in a very limited sense.

The great challenge faced by governments is how to reduce healthcare costs and enhance the quality of healthcare services to the community.

The primary aim of this session is to provide a forum for researcher to present innovative intelligent paradigms to aid the decision making process in healthcare in order to minimise healthcare costs and enhance healthcare quality for those in need.

Research papers are invited in the following areas but not limited to:

- Expert systems, artificial neural networks, evolutionary computing, multi-agent systems & their applications in decision making in healthcare.
- Decision making in healthcare under uncertainty and incomplete data.
- Decision support systems in choosing the IT support needs for assisting patients.
- Robots for assisting patients
- Interactive computer-controlled rehabilitation programs.
- IT needs for healthcare staff training and education.
- And all aspects of intelligent decision making aids in healthcare.

Please submit your 5 to 10 page paper using the conference web page.

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Publication:

Accepted papers will be published by Springer in a volume of the Book Series entitled:
"Smart Innovation, Systems and Technologies Series"

<http://www.springer.com/series/8767>

Timelines

- Paper submission: **30 January 2015**
- Acceptance notification: **16 February 2015**
- Final paper submission: **10 March 2015**
- Conference: **17 - 19 June 2015**

Main Contributing Researchers / Research Centres (tentative, if known at this stage):**Website URL of Call for Papers (if any):****Email & Contact Details:**

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