**Special Issue on “Decision support systems for medical imaging applications”**

**Guest Editors:**

D. Jude Hemanth, Karunya University, India  
Valentina Emilia Balas, Aurel Vlaicu University of Arad, Romania

**Objective:**

Applications such as medical imaging depend strongly on the computer aided decision support systems for disease diagnosis and treatment planning. This applies an extra pressure on the computer based systems to provide highly accurate results within less convergence time. Soft computing techniques are widely preferred for such applications because of its numerous advantages. Though theoretically proven, these methodologies are rarely used in practice in real time scenario. This is mainly due to the various existing gaps between the theoretical and practical cases of soft computing approaches. This special issue stands as a bridge to unify the theoretical and practical concepts of soft computing techniques in the context of medical imaging applications. The focus of the special issue is on throwing new seeds of soft computing techniques for feasible application in the medical field.

**Scope:**

The scope of this issue includes, but not limited to,

*a) Methodologies*

- Artificial neural networks  
- Fuzzy logic theory  
- Evolutionary computation  
- Rough sets  
- Deep learning approaches  
- Bio inspired algorithms  
- Cellular automata  
- Artificial life  
- Pattern recognition algorithms  
- Clustering approaches

*b) Applications*

- Medical applications only
**Important Dates:**

Deadline for submission: September 1, 2015  
First Notification of results: November 1, 2015  
Final notification: January 10, 2016

**Submission Procedure:**

Kindly follow the guidelines given in the journal website for submission and manuscript preparation. Note that the publisher will typeset the final article, but do not format references. For any queries, contact the guest editors.

**Important Instruction:**

To be appropriately identified, submissions for this special issue must include “Special Issue: Medical imaging” in the title of the submission. This identifier can be removed before final publication.

**Contact details:**

1) E-mail: jude_hemanth @rediffmail.com  
   Mobile: +91-9443001874  
2) E-mail: balas@drbalas.ro