



Innovation in Medicine and Healthcare – InMed'14

INVITED SESSION SUMMARY

Title of Session:

Electronics & Soft Computing Serving Medicine and Healthcare

Name, Title and Affiliation of Chair:

Dr. Slami SAADI, Associate Professor, Ziane Achour University of Djelfa, Algeria

Details of Session (including aim and scope):

This session focuses on the recent development in modern Electronics and Soft Computing Algorithms for the service of medical applications progress including embedded systems, signal processing and equipments control, hardware implementation, optimization and reliability. The introduction of Artificial Intelligence and Meta-heuristic novel Algorithms improves well the trustworthiness index and achieves optimal stability and precision of medical diagnosis tools.

The main objective of this session is to bring in touch experts for exchanging their experiences about novel findings in the domain of healthcare and advances in computer assisted medical therapeutic diagnosis devices.

Topics:

1. Embedded Electronics in Medical Applications (Diagnosis, measurement, treatment, portable apparatus...etc.)
2. Digital Signal Processing (Image restoration, recognition, ECG, EEG...etc.)
3. Communications, Networks and Information systems in Medicine.
4. Artificial Intelligence and Soft Computing Algorithms for Optimal Design and Control.
5. Engineering Education in Medical Physics

Main Contributing Researchers / Research Centres (tentative, if known at this stage):

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Website URL of Call for Papers (if any):

<http://inmed14.innovationkt.org/>

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