

**Proposed Special Session on
Computational Intelligence Applications in Pervasive Healthcare
At
17th International Conference on Intelligent Systems Design and Applications
South Asian University, Delhi, India.
December 14-16, 2017**

Introduction and Scope

Pervasive healthcare provides continuous and individual treatment to the patients. Recent research trends in computational intelligence go towards achieving the potential to change profoundly the standard of care. Some of the examples like noninvasive prenatal care, brain cancer diagnosis support, ultrasound hypothermia treatment, classification of epilepsy cases, profiling manufacturing parameters of the drugs and pharmaceutical medicaments and more and more other applications, some of which are real breakthroughs in medicine, elucidate the importance of developing the tools that can support medical professionals in providing the highest possible pervasive healthcare standards.

We invite novel and original research contributions in the field of a wide spectrum of applications of intelligent systems to support pervasive healthcare standards.

Topics of interest include but are not limited to the following:

- Computer supported medical diagnosis
- Intelligent graphs of medical knowledge representation
- Ambient intelligence for pervasive healthcare
- Medical image recognition
- Magnetic resonance imaging
- Neuroinformatics in biomedical engineering
- Recommender systems for medical prescriptions
- Knowledge recognition intelligent recommendations
- Supervised & unsupervised machine learning algorithms supporting medicine
- E-Health and m-Health services
- Intelligent medical information systems
- Electronic health record (EHR) systems reliability

Special Session Chairs

Chair: Jolanta Mizera-Pietraszko, Opole University, Poland

Co-Chair: Niketa Gandhi, Machine Intelligence Research Labs (MIR Labs), USA

Co-Chair: Janusz Kacprzyk, Polish Academy of Sciences, Poland

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