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Special Session on

"Smart Technology for Wearable Health Care Systems"

Organized by

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Call for Papers

Theme: (100 words)
Based on the survey conducted by the World Health Organization, 83 countries do not fulfill the threshold requirement of 23 skilled health professionals per 10,000 people. The world will be lack of 12.9 million health care workers at 2035. Hence, it is important to develop wearable health care systems to perform the self health monitoring. However, the wearable health care systems require to be low power consumptions and high measurement accuracies. Smart technologies including green electronics, green radios, fuzzy neural approaches and intelligent signal processing techniques play important roles for the developments of the wearable health care systems. This special session aims to collect high quality papers based on the smart technologies for the developments of the wearable health care systems.

Topics of interest include, but are not limited to:

- Wearable respiratory monitoring systems
- Wearable electrocardiogram measurement systems
- Wearable blood glucose measurement systems
- Green electronics for wearable health care systems
- Smart power control techniques for wearable health care systems
- Green radio techniques for wearable health care systems
- Smart wireless communication techniques for wearable health care systems

Fuzzy neural techniques for wearable health care systems
Intelligent signal processing techniques for wearable health care systems
Smart measurement techniques for wearable health care systems