

# 13<sup>th</sup> IEEE MCSoc 2019

## Special Session on

### Applications and Architectures designed for energy efficient hardwares

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Recent development in energy efficient hardwares and embedded computing devices (FPGAs, embedded GPUs, etc.) has shown their advantages of high energy efficiency, high flexibility and high extensibility. While nowadays mainstream applications for Cloud Computing, High Performance Computing (HPC), Scientific Simulations and Machine Learning (ML) still apply traditional hardwares, energy efficient hardwares show their potential to outperform traditional ones in specified application scenarios.

This special session aims to cover topics related to novel applications and architectures designed/optimized for energy efficient hardwares and embedded computing devices, which outperform traditional approaches. Topics of interest include, but not limited to:

- Data Storage and Transformation of cloud computing platforms based on energy efficient hardwares and systems.
- AI applications based on energy efficient hardwares, including text mining, voice/speech emotion recognition, computer vision, etc.
- Optimization of ML Algorithms for energy efficient hardwares.
- HPC and/or scientific simulation applications optimized for energy efficient hardwares.

#### Important Dates

- Abstract Submission: April 30, 2019
- Full paper Submission: May 7, 2019
- Acceptance notification: June 28, 2019
- Camera-ready paper: July 21, 2019

#### Submission

Please submit your paper via the IEEE MCSoc 2019 submission site.