# Tentative Outline

## Special Thematic Issue for the journal Current Signal Transduction Therapy

**Title of the Thematic Issue:** *Edge Intelligence: continuum signal processing from edge to cloud*

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• **Scope of the Thematic Issue:**

This thematic issue aims to provide in-depth reviews on the current progress in various fields related to deployment of intelligent signal processing services at network edge devices with different resources. Progress in this domain covers diverse inter-related cross-layer techniques which exploit required services according to different resources available at the internetworked systems form edge to cloud. Hence, a variety of solutions to sensor intelligence, distributed artificial intelligence (DAI), embedded intelligence for signal processing, resource management, collaborative computing, power efficiency, AI-empowered privacy and security, self-organization and self-healing infrastructure, cognitive service migration, and optimized orchestration of services from edge to cloud are covered by this thematic issue.

**Keywords:**

Edge intelligence, Sensor intelligence, Distributed AI, Embedded intelligence, Service orchestration, Resource management, Power efficiency, Optimization

### Sub-topics:

The sub-topics to be covered within the issue should be provided:

➢ Co-design of distributed embedded signal processing systems
➢ Support for sustainability in embedded intelligence signal processing
➢ Distributed AI and trust in distributed signal processing
➢ Service orchestration in distributed intelligent signal processing form edge-to-cloud

### Schedule:

✧ Thematic issue submission deadline:  **2022/10/30**

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