The study on multimedia signal processing in combining innovative computing concepts encompasses a large number of research topics and emerging applications. A list of relevant topics is provided below, though many other topics could be listed. The innovative computing approaches to multimedia signal processing provides a high profile, leading edge forum for people, either in the scope of R&D projects, engineering or business applications, who are working in the field to contribute and disseminate innovative new work on multimedia. The purpose of the proposed special issue is to highlight an ongoing research on innovative computing approaches to multimedia signal processing as well as their applications.

**Topics of interest (but not limited to)**

- Multimedia web mining, fusion, integration, and firming
- Multimedia databases and retrievals
- Multimedia signal analysis and visualization
- Multimedia networking and communication techniques
- Multimedia sensing and sensory systems
- Multimedia source coding and channel coding
- Web services, agents, and support system; Social Network; Ubiquitous Intelligence
- Cloud and services computing; Internet of Things
- Intelligent computing for multimedia processing
- Advances in multimedia content description interface (e.g. MPEG-7)
- Advances in multimedia framework: (e.g. MPEG-21)
- VLSI/ASIC/FPGA/SOC design and implementations for multimedia systems

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