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Special Session on Artificial Intelligent for Multimedia Communications

Multimedia communications have been playing a major role in the current society with video and image processing technologies largely driving the development of new services applications with increasing quality of experience. In addition, recent emerging artificial intelligent and machine learning technologies are greatly encouraging the creation of a more powerful image and video coding engine, especially in the era of massive information. Therefore, studying and deploying advanced artificial intelligent and machine learning tools for multimedia communications in general and image/video coding in particular are much important research topics for experts from not only academia but also industry.

In this context, this session aims to create a forum for experts from academia and industry to discuss and to share their innovative ideas on exploiting the artificial intelligent and machine learning technologies for improving the image and video processing performance. The session will cover the following topics (but not limited):

- **Recent advances on video coding standards**: HEVC, SHVC, 3D-HEVC
- **Recent improvements on emerging video coding paradigms**: Distributed Video Coding, Compressive Video Sensing, Multiple Description Coding; Error Resilience Video Coding;
- **AI and Machine learning based image and video compression**
- **Light field coding and representation**

Paper Submission:

Please submit your paper to the *Special Session on Artificial Intelligent for Multimedia Communications* via the 12th IEEE MCSoC-2018 online submission system:

http://mcsoc-forum.org/2018/submission/

Session Organizer(s):

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