



## Special Track on Medical Image and Video Analysis Using Deep Learning

### Call for Papers

The development of intelligent medical image and video analysis systems has experienced a significant boost in recent years thanks to the growing popularity of *deep learning*. Many commercial applications using deep learning to analyze, classify, segment, measure, and recognize contents from different modalities of medical images are currently available. This special track provides a forum for the discussion of the impact of deep learning on medical image analysis and a focused venue for sharing novel scientific contributions in the area of deep learning uses in medical imaging.

Topic of interest include (but are not limited to):

- Novel approaches for medical image/exam classification, object/lesion classification, organ/region/landmark localization, object/lesion detection, organ/substructure segmentation, lesion segmentation, and medical image registration using deep learning;
- Content-Based Image Retrieval (CBIR) of medical images using deep learning;
- Medical image content understanding using deep learning;
- Medical image generation and enhancement methods using deep learning;
- Multimodal (image/text) analysis using deep learning;
- Organ-specific, modality-specific, and disease-specific image analysis using deep learning;
- Applications of deep learning for digital pathology and microscopy.

Authors are invited to submit their original contributions before the deadline following the conference submission guidelines.

#### Paper submission guidelines

Please follow the general conference paper submission guidelines that can be found here: <https://cbms2018.hotell.kau.se/calls/>

**Important dates** (Check <https://cbms2018.hotell.kau.se/important-dates/> for possible updates)

- **Abstract submission deadline: February 26, 2018**
- **Full paper submission deadline: March 5, 2018**
- Notification of acceptance: **April 25, 2018**
- Final paper submission deadline: **May 7, 2018**

#### Special Track Chairs

- Oge Marques, Florida Atlantic University, USA [omarques@fau.edu]
- Michael Riegler, Center for Digitalization and Engineering, Norway [michael@simula.no]
- Klaus Schoeffmann, Klagenfurt University, Austria [ks@itec.aau.at]