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/](https://cbms2018.hotell.kau.se/calls/)

**Important dates** (Check [https://cbms2018.hotell.kau.se/important-dates/](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]