



DLMIA

4th Workshop on Deep Learning in Medical Image Analysis

Call for Papers

Overview

The workshop DLMIA has become one of the most successful MICCAI satellite events, with hundreds of attendees and more than 70 paper submissions in 2017. The 4th edition of DLMIA will be dedicated to the presentation of papers focused on the design and use of deep learning methods in medical image analysis applications. We believe that this workshop is setting the trends and identifying the challenges of the use of deep learning methods in medical image analysis. Another important objective of the workshop is to continue and increase the connection between software developers, researchers and end-users from diverse fields related to Medical Image and Signal Processing, which are the main scopes of MICCAI.

The proceedings will be published by SPRINGER under the “Lecture Notes in Computer Science” book series.

Topics

- Medical imaging-based analysis using deep learning
- Medical signal-based analysis using deep learning
- Medical image reconstruction using deep learning
- Deep learning-oriented applications in medicine
- Image description and synthesis using deep learning techniques
- Deep learning model selection in medical imaging
- Multi-modal and multi-dimensional deep learning (3D, 4D, and beyond)
- Learning with noisy labels (eg. crowdsourcing annotations, imperfect ground truth etc.)
- Integration of clinical variables with imaging data
- Deep learning for interventional image analysis
- Benchmarking and Evaluation of deep learning in clinical settings
- Active Deep Learning for medical imaging
- Reinforcement learning and Meta-learning in Medical Image Analysis

Important Dates

- **May 22nd : results released for MICCAI'18 papers**
- **June 11th (11:59pm PST) : DLMIA'18 paper submission deadline**
- **July 11th : DLMIA'18 paper notification of acceptance**
- **July 17th : DLMIA'18 Camera-ready version submission**
- **Workshop Date: TBD (Full Day)**

Invited Speakers

- **Prof. Hayit Greenspan (Tel Aviv University)**
- **Prof. Alison Noble (University of Oxford)**
- **Mr. Christopher Semturs (Google Research) - Deep Learning for Retinal Imaging**

Website

- **<http://cs.adelaide.edu.au/~dlmia4/>**

Organization

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