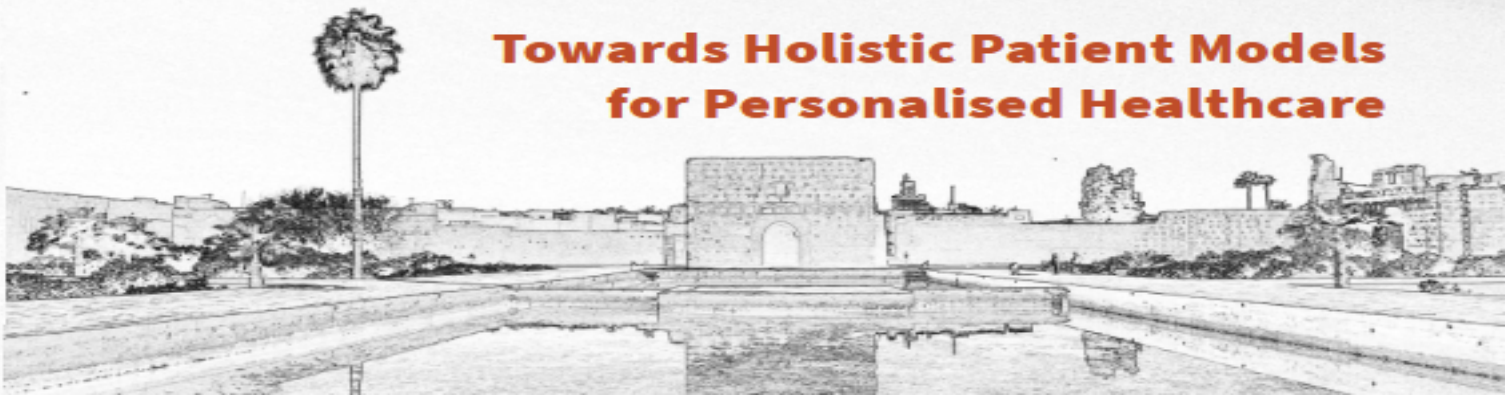
2024 CLIP

October 6, Marrakesh

13th MICCAI CLIP Workshop

Towards Holistic Patient Models for Personalised Healthcare



Workshop Description

CLIP is about the effective translation of computational image-based techniques into the clinic filling the gaps between medical imaging, basic science and clinical applications. As it nowadays becomes more and more important for many clinical applications to base decisions not only on image data alone, a focus of CLIP is on the creation of holistic patient models. Here, image data such as radiologic images, microscopy images, and photographs is combined with non-image information such as 'omics' data (e.g. genomics, proteomics), life style data, demographics, EEG, and other to build a more complete picture of the individual patient and to subsequently provide better diagnosis and therapies.

CLIP will provide a forum for work centered on specific clinical applications, including techniques and procedures based on comprehensive clinical image and other data. Submissions related to applications already in use and evaluated by clinical users are particularly encouraged. We explicitly welcome novel techniques and applications that are looking at combining image analysis with clinical data mining and analytics, user studies, and other heterogeneous data.

Topics include, but are not limited to:

* Combination of image analysis with other heterogeneous data including Radiography images, microscopy, photographs, genomics, proteomics, life style data, EEG, bio-data, and other
* Multimodal image integration for modeling, planning and guidance
* Strategies for patient-specific and anatomical modeling to support planning and interventions
* Clinical studies employing advanced image-guided methods
* Clinical translation and validation of image-guided systems
* Current challenges and emerging techniques in image-based procedures
* Clinical applications in open and minimally invasive procedures

https://miccai-clip.org/

Important Dates

Paper submission: 24 June
Notification of paper decisions: 15 July
Camera-ready submission: to be announced

Organizers

- Yufei Chen — Tongji University, Shanghai, China
- Klaus Drechsler — Aachen University of Applied Sciences, Germany
- Marius Erdt — Singapore
- Moti Freiman — Technion, Israel
- Cristina Oyarzun Laura — Fraunhofer IGD, Germany
- Stefan Wesarg — Fraunhofer IGD, Germany

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