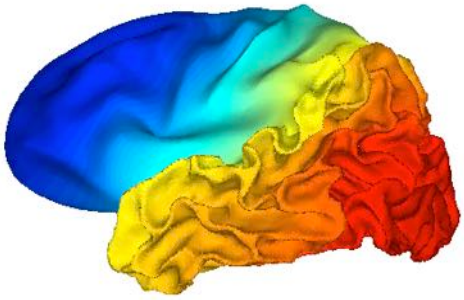

MICCAI 2016 Athens GREECE SeSAMI

Workshop on Spectral & Shape Analysis in Medical Imaging

****Call for Papers****

Workshop Date:
October 21, 2016

Description

Workshop for **Spectral & Shape Analysis in Medical Imaging** (SESAMI), held in conjunction with the conference on Medical Image Computing and Computer Assisted Interventions (MICCAI) in Athens, Greece, on October 21st, 2016.

https://sites.google.com/site/sesami2016/

**** IMPORTANT DATES ****

- **Paper Submission** (Tentative Deadline):	**** June 15th, 2016, 23:59PST ****
- Notification of Acceptance:	Mid July, 2016
- MICCAI Early bird registration:	TBA
- SESAMI Workshop on:	October 21st, 2016

Aim and Scope

Today's image data often represents complex phenomena, usually with a geometric structure. Shape and geometry processing methods are receiving increased attention, for example, due to their higher sensitivity to local variations relative to traditional markers, such as the volume of a structure. **Spectral & Shape Analysis** provide a wealth of opportunities for studying complex data.

Interactions among fellow researchers will provide insights on the benefits of **incorporating spectral or shape analysis into medical imaging applications**. Researchers with no or little prior experience in spectral & shape analysis can especially profit from introductory talks that will cover basic background and give an overview of the field.

For more information, contact organizers directly:
- Martin Reuter <mreuter@nmr.mgh.harvard.edu>,
- Christian Wachinger <wachinger@csail.mit.edu>,
- Herve Lombaert <herve.lombaert@inria.fr>

Topics

Targets on **theoretical contributions** and **exciting applications** in medical imaging, including (but not limited to):

- Spectral Shape Analysis
- Spectral Image and Mesh Segmentation
- Spectral Classification & Dimensionality Reduction
- Shape Representation, Processing and Modeling
- Shape Segmentation and Registration
- Statistical Shape Analysis
- Longitudinal Shape Analysis and Processing
- Medical applications focused on Spectral and/ or Shape Analysis

Advisory Panel

Stanley Durrleman, *Inria*
Guido Gerig, *NYU*
Ender Konukoglu, *Harvard Medical School*
Julien Lefevre, *Université Aix-Marseille*
Diana Mateus, *Technische Universität München*
Washington Mio, *Florida State University*
Marc Niethammer, *UNC Chapel Hill*
Stephen Pizer, *UNC Chapel Hill*
Robert Pless, *Washington University*
Kilian Pohl, *SRI*
Yonggang Shi, *University Southern California*
Martin Styner, *UNC Chapel Hill*
Ross Whitaker, *University of Utah*
& More to be announced