



MIE 2005 Workshop #36

Title: Managing Medical Image Data

Chair: Henning Müller

Speakers: Henning Müller
(University and Hospitals of Geneva, Switzerland)
Thomas Lehmann
(Aachen University of Technology (RWTH), Germany)
Alexander Horsch
(Munich University of Technology, Germany)
Andreas Schmidt
(Novartis, Basel, Switzerland)

Date, time and place Tuesday, August 30, from 5:30PM to 7PM, room 1170

Supported by: EFMI WG MIP

Abstract: Medical imaging is a specialized discipline in the field of medical informatics. At medical informatics conferences, the number of presentations on image processing is usually rather small. However, with the increasing amount of digital modalities used in healthcare routine, the management of medical imaging data has become an important challenge. For instance, prominent shortcomings arise from indexing and retrieving the data, which even in modern DICOM networks is done only alphanumerically.

The goal of the workshop is to bring people together who work in the medical imaging field as well as in adjacent fields that include the management of medical images (PACS systems, storage of data) and information retrieval including image collections (natural language processing, multi-modal retrieval, visual image analysis). The goal of the workshop is to stimulate discussions among participants on a European level and to improve the participation in the EFMI WG MIP and its activities.

Description: Alexander Horsch: Description of the activities of the EFMI Working group MIP (CARS, ...)
Thomas Lehmann: Automatic classification and content-based retrieval of medical images
Henning Müller: Analysis of the use of medical images
Alexander Horsch: The medical reference image database initiative
Andreas Schmidt: Image Management in the Pharmaceutical industry

Target audience All participants: Discussions on initiatives for the better integration of images data into clinical processes
Members of the EFMI WG MIP and people interested in medical image processing or information retrieval on medical imaging data as well as people working on the integration of various data types

into the electronic patient record.

Prerequisites none

Intended results Definition of research directions and goals for the EFMI MIP working group