



Report to EFMI Council

To be presented at EFMI Council Meeting, Gothenburg, 24 May 2008
Alexander Horsch (WG Chair), Thomas Wittenberg & Vytenis Punys (WG Co-chairs)

Current objectives

- ❑ Support of communication and common attempts of academia and industry to increase quality of innovation, research and development in the field of medical image processing.
- ❑ Activities towards references image databases for medical image processing R&D groups in order to support validation and evaluation of medical image processing methods and systems.
- ❑ Maintain the working group website and establish a web-based information system for European image processing groups and their current activities.
- ❑ Organise meetings and workshops at EFMI conferences and other events such as CARS and Medinfo conferences.
- ❑ Build and maintain close relationship with persons, groups, organisations and standardisation bodies related to the field.

Recent activities

- ❑ As a prior step towards the implementation of an EIPG-IS, a WG Wiki has been set up by Sarah Barman, UK. The platform shall be utilized to intensify the collaboration of the WG members to overcome workforce shortcomings more smoothly.
- ❑ The Working Group Website www.efmi-wg-mip.net provides comprehensive information and numerous documents (reports, presentations) to the public. On the website's internal area the Reference Image Database Work Prototype RID-WP is accessible for all working group members. Basic information about the working group (mission, members, etc) is maintained on the EFMI website www.efmi.org.
- ❑ Close contacts with CARS, NIH and industries are maintained. In February 2008, the working group has supported the 16th CATAI Winter Course of the University of La Laguna, Tenerife, Spain, with a lecture on DICOM held by the WG chair.
- ❑ At Medinfo 2007 a joint workshop with IMIA WG Pattern Recognition has been held. It was agreed to collaborate more closely in the future.

Future activities

- ❑ At CARS conference in June 2008 in Barcelona, a workshop on Computer Aided Diagnosis (CAD) shall be supported by the working group. The EFMI WG will contribute with presentation on current evidence in the field of breast cancer and melanoma CAD.
- ❑ The next WG business meeting is this year also planned at CARS conference in Barcelona.
- ❑ Further activities (workshop, business meeting) are envisaged for MIE 2009 conference.



EFMI
European Federation for Medical Informatics

Working Group on Medical Image Processing

Publications

- ❑ Horsch A: The DICOM Standard - Basics and Recent Extensions. XVI CATAI Winter Course, University of La Laguna, Tenerife, February 2008

Development

- ❑ There are at the moment 45 persons in the list of members and interested persons of the working group, working in industry and academia. They come from various countries: Austria, Cyprus, Denmark, Finland, France, Germany, Lithuania, Netherlands, Poland, Spain, Switzerland, USA, and UK.
- ❑ The next meetings will critically reflect the achievements of the WG activities over the past years against the WG's objectives. This shall lead to a revision of goals and pave the way forward towards new needs and demands for collaboration in the field of image processing.

Chair:

Alexander Horsch, Prof. II Dr.rer.nat Dr.med.habil.
Dept. of Medical Statistics and Epidemiology
Munich University of Technology
Ismaninger Str. 22, D-81675 Munich, Germany
alexander.horsch@imse.med.tu-muenchen.de
and University of Tromsø, Norway
horsch@cs.uit.no

Co-Chairs

Thomas Wittenberg, Dr.-Ing., Erlangen, Germany
wbg@iis.fhg.de

Vytenis Punys, PhD, Kaunas, Lithuania
vpunys@mmlab.ktu.lt