EFMI Working Group on Medical Image Processing (WG MIP) **2009-02-16**

Report for IMIA Yearbook

Chair:

Prof. Dr. Alexander Horsch
Dept. of Medical Statistics and Epidemiology
Munich University of Technology
Ismaninger Str. 22,
D-81675 Munich, Germany
alexander.horsch@tum.de

Dept. of Clinical Medicine & Dept. of Computer Science, University of Tromsø
N-9037 Tromsø, Norway
horsch@cs.uit.no

Co-chairs:

Dr. Thomas Wittenberg
Fraunhofer Institute for Integrated Circuits IIS
Dept. of Image Processing and Medical Engineering
Am Wolfsmantel 33
D-91058 Erlangen, Germany
wbg@iis.fhg.de

Dr. Vytenis Punys
Image Processing & Analysis Lab
Computational Technologies Centre
Kaunas University of Technology
Studentu 56-304
LT-51424 Kaunas, Lithuania
vytenis.punys@ktu.lt

Objectives

The EFMI Working Group on Medical Image Processing (EFMI WG MIP) is primarily interested in the 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. Specific objectives of the WG are: 1.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. 2. 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. 3. Maintain the working group website and establish a web-based information system for European image processing groups and their current activities. 4. Organise meetings and workshops at EFMI conferences and other events such as CARS and Medinfo conferences. 5. Build and maintain close relationship with persons, groups, organisations and standardisation bodies related to the field.

Recent and Future Activities

At CARS conference in June 2008 in Barcelona, a symposium “Cognitive Methods for Image Classification”, sponsored by Definiens AG, Munich, has been supported by the working group. EFMI WG MIP has contributed with a presentation on current evidence in the field of breast cancer and melanoma CAD. The WG has further supported the workshop "Manifolds in Medical Imaging: Metrics, Learning and Beyond" at the MICCAI conference in New York, in September 2008. Close contacts are maintained with NIH in US and medical imaging industries. Future activities: At CARS 2009 the WG will organize a demonstration workshop for Computer Aided Diagnosis systems. Business meetings will be held at CARS and MIE 2009. The WG will also support the 17th CATAI Winter Course of the University of La Laguna, Tenerife, Spain, in March 2009 with a lecture on DICOM and IHE TCE / MIRC. To join the WG, please register at www.3helix.com and request membership. More information on the WG, its activities, documents and presentations can be found on www.efmi-wg-mip.net.