



Report to EFMI Council

To be presented at EFMI Council Meeting, Sarajevo, 29 August 2009
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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

- ❑ The WG has supported the workshop "Manifolds in Medical Imaging: Metrics, Learning and Beyond" at the MICCAI conference in New York, in September 2008.
- ❑ At CARS 2009 in Berlin the WG has organized on 27 of June a demonstration workshop for Computer Aided Diagnosis systems. As first of its kind at a CARS conference, this workshop was with 11 demonstrations and around 50 highly interested participants a great success.
- ❑ A short business meeting has also been held at CARS 2009. A report covering workshop and business meeting can be found on the WG website (address below).
- ❑ The WG has supported 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.
- ❑ A new platform for computer-supported collaborative work for the WG has been set up at the Institute for Triple Helix Innovation at the University of Hawaii (www.3helix.com). This has proven very useful in the preparation of the CARS workshop.
- ❑ The Working Group Website www.efmi-wg-mip.net provides pertinent, finalized content such as reports, concepts, and presentations for the public. 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.

Future activities

- ❑ Future activities (workshop, business meeting) are envisaged for CARS 2010 in Geneva and maybe Medinfo 2010 in Capetown.
- ❑ It is also planned to further support the CATAI winter courses.



Publications

- ❑ Horsch A: The DICOM Standard Basics and Support for Teaching and Clinical Trials. XVII Winter Course of CATAI, University of La Laguna, Tenerife, March 2009.
- ❑ Horsch A, Wittenberg T, Punys V, Elter M: CAD Demo Workshop on Computer-Aided Detection and Diagnosis, EFMI WG MIP, Abstracts brochure, CARS 2009.

Development

- ❑ The number of colleagues in the WG network has considerably increased since the last report. There are now around 70 persons on the list of members and interested persons, with affiliations in industry and academia. They come from various countries: Austria, Brazil, Czech Republic, Cyprus, Denmark, Finland, France, Germany, Greece, Cyprus, Israel, Italy, Japan, Lithuania, Netherlands, Norway, Poland, Spain, Switzerland, USA, and UK.
- ❑ Critical reflect on achievements against the WG's objectives and options for future directions of the working group are still going on. One of the intermediate results is the promotion of the extremely challenging validation issue via demonstration workshops and bottom-up initiatives fostering open image datasets from research projects.

Join us!

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.

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