



Report to EFMI Council

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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

- ❑ At CARS 2009 in Berlin the WG has successfully organized the 1st CADdemo@CARS demonstration workshop for Computer Aided Diagnosis systems with 11 demonstrations and around 50 highly interested participants [1].
- ❑ The WG has supported the 18th CATAI Winter Course of the University of La Laguna, Tenerife, Spain, in March 2010 with a lecture on DICOM for teaching and training [2].
- ❑ 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.

Future activities

- ❑ At CARS 2010 in Geneva EFMI WG MIP will hold the 2nd CADdemo@CARS workshop for the demonstration of system prototypes. It is planned to assemble a special issue of the best presentations as full papers in IJCARS after the event.
- ❑ Further workshops and business meetings are envisaged for conferences CARS 2011 in Berlin and MIE 2011 in Oslo.
- ❑ It is also planned to further support the CATAI winter courses.



Publications

- [1] Horsch A, Wittenberg T, Punys V, Elter M: CAD Demo Workshop on Computer-Aided Detection and Diagnosis, EFMI WG MIP, Abstracts brochure, CARS 2009.
- [2] Horsch A: DICOM Extensions, Image Query Solutions for Teaching and Training. Procs CATAI Winter Course. CATAI Editions, 2010.

Development

- ❑ The number of colleagues in the WG network has been stable since the last report. Around 70 persons are 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 reflection 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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