



## Report to EFMI Council

To be presented at EFMI Council Meeting, Oslo, 27 August 2011  
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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 2011 in Berlin, the working group has on 24 June 2011 successfully organized the 3<sup>rd</sup> CADdemo@CARS demonstration workshop for Computer Aided Diagnosis systems with four demonstrations, a panel discussion, and ca. thirty participants [1]. Moderator: A. Horsch. Panellists: P. Cerello (I), H. Fujita (J), K. Mori (J), R. Nishikawa (US), T. Wittenberg (D).
- ❑ A number of demonstrators from earlier CAD demonstration workshops have successfully submitted full journal articles to the Journal of CARS. This journal (JCARS) recently was included in the ISI and will soon receive publication impact points. The EFMI WG MIP chair is actively supporting this journal as an editorial board member.
- ❑ The working group has supported the 19<sup>th</sup> CATAI Winter Course of the University of La Laguna, Tenerife, Spain, in March 2011 with a lecture on “Diagnostic DICOM Images in 4G Mobile Phones” [2].
- ❑ The WG Website [www.efmi-wg-mip.net](http://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](http://www.efmi.org).

### Future activities

- ❑ At MIE 2011 in Oslo EFMI WG MIP will run a panel on “Patient Empowerment and High-Tech Imaging and Biosignal-Based Procedures – Contradiction or Challenge?”. This is a joint activity together with IMIA WG Biomedical Pattern Recognition chaired by Luca Mainardi.
- ❑ Also at MIE 2011, a WG business meeting will be held with topics: reports; outcomes of the panel at MIE in Oslo; discussion of CADdemo@CARS workshops; future activities at MIE and Medinfo conferences; personalia; miscellaneous.



## Working Group on Medical Image Processing

- ❑ At CARS 2011 in Pisa, EFMI WG MIP perhaps will organize the 4<sup>th</sup> CADdemo@CARS workshop for the demonstration of system prototypes. The decision whether to do so or not will be on the agenda of the Oslo business meeting. There is support from CARS organizers and also from participants of the conference. However, several issues concerning harmonization with the general CAD track at CARS will have to be solved. Initial talks have already taken place.
- ❑ Further workshops and business meetings are envisaged for the upcoming EFMI conferences. The use of the working group's CSCW platform shall be intensified, along with more timely exchange of information among the working group members.
- ❑ It is also planned to further support the CATAI winter courses.

### Publications

- [1] Horsch A, Yoshida H, Wittenberg T: 3<sup>rd</sup> CADdemo@CARS Demonstration Workshop on Computer-Aided Detection and Diagnosis, EFMI WG MIP, 24 June 2011, Abstracts brochure & Report, CARS 2011, Berlin.
- [2] Horsch A: Diagnostic DICOM Images in 4G Mobile Phones. Procs CATAI Winter Course. CATAI Editions, 2011.

### 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.
- ❑ Finally, the critical reflection on achievements against the WG's objectives and options for future directions of the working group are continuing and will also be part of the activities at MIE 2011 in Oslo.
- ❑ Despite the considerable number of colleagues acting as members or interested professionals in the working group's network, new active members are highly welcome to contribute to our efforts and benefit from the large range of experiences represented by our WG members!

### Join us!

To join the WG, please register at [www.3helix.com](http://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](http://www.efmi-wg-mip.net).

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