

For the EFMI Council Meeting London, Sept 2, 2001

Proposal for a new working group on Medical Image Processing

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1 Proposed name

EFMI Working Group on Medical Image Processing

2 Mission of the working group

The working group will support the mission of EFMI by fostering the discussion and the activities in the member countries about theory and practice of medical image processing. This comprises, in particular, the discussion of how to integrate decision support by means of medical image processing into clinical practice, including the important topics of clinical evaluation, standardization and technology transfer.

3 Charter

3.1 Work Products

The working group will, step by step, establish a reference image database for medical image processing R&D groups within the EFMI member countries. The images shall be used in order to make the capabilities of different methods comparable.

In order to foster co-operation between R&D groups, and also in order to avoid redundant development work, the working group will establish a Web-based information system about European image processing groups and their current activities. The working group will provide the technical infrastructure. The R&D groups enter and maintain their own data record by themselves.

The working group will create and maintain a Working Group Website which will provide all information about the work and upcoming events relevant for interested colleagues and the public.

3.2 Relationships with the other Working Groups

The working group will meet at least during the MIE congresses. It will invite representatives of other EFMI working groups in order to explore the following topics:

- Integration of Computer Assisted Diagnosis in clinical workflow (with WG-4 and WG-9)
- Representation of Medical Image Processing Results in the EPR
- Provision of Medical Image Processing services in telemedicine applications
- Image management (with newly proposed working group on Clinical Templates)
- The contribution of Medical Image Processing to Web-based education (with WG-6)

3.3 Relationships with Groups outside EFMI

The working group will co-operate with IEEE, with other engineering associations, with standardization bodies, especially DICOM, as well as with the IMIA working group IMIA WG 07 Biomedical Pattern Recognition. Furthermore, co-operation with medical associations, especially from radiology and computer assisted surgery, will be part of the work.

4 First official meeting

Proposed first official meeting: MIE 2002