

DiDaMIC Workshop - Final Program

8:45 Registration

9:00 Introduction by Michel Dojat and Bernard Gibaud

9:10 **Invited talk**

Imaging Databases

Michael Vannier, University of Chicago (USA)

9:50-11:10 Session 1: **Sharing data and semantics**

Towards an Ontology for Sharing Neuroimaging Data and Processing Tools: Experience Learned from the Development of a Demonstrator

B Gibaud, M Dojat, F Aubry, H Benali, O Dameron, S Kinkingnéhun, JP Matsumoto, M Péligrini-Issac, R Valabregue, and C Barillot

Virtual Implants Database for Computer Assisted Surgery: a New Unified Implant Access Interface for Surgical Planning, Navigation and Simulation

S Sagbo, G Zheng, C Vangenot, J Moumni, and LP Nolte

Shape Indexing in Medical Image Databases using Pre-Shape Embedding

X Qian, HD Tagare, RK Fulbright, R Long, and S Antani

Semantic-based Biomedical Image Indexing and Retrieval

Y Liu, NA Lazar, WE Rothfus, F. Dellaert, A Moore, J Schneider, and T Kanade

11:10 Coffee break

11:30-12:30 **Session 2: Sharing data processing tools**

Information eXtraction from Images (IXI): Image Processing Workflows Using A Grid Enabled Image Database

AL Rowland, M Burns, T Hartkens, JV Hajnal, D Rueckert, and DLG Hill

Information eXtraction from Images (IXI): Grid Services for Medical Imaging

M Burns, AL Rowland, D Rueckert, JV Hajnal, K Leung, DLG Hill, and J Vickers

Event-driven workflow management for medical image processing and analysis in a large image database

L Liu, D Meier, M Polgar-Turcsanyi, P Karkocha, R Bakshi, and CRG Guttmann

12:30 Lunch break

13:30 Demonstrations

14:15 **Invited talk**

Grid-based Federated Databases of Mammograms: Mammogrid and eDiamond experiences

Mike Brady, University of Oxford (UK)

14:55-15:40 Session 3: **Infrastructures for sharing data and processing tools** (first part)

NeuroBase: Management of Distributed and Heterogeneous Information Sources in Neuroimaging

C Barillot, R Valabregue, JP Matsumoto, F Aubry, H Benali, Y Cointepas, O Dameron, M Dojat, E Duchesnay, B Gibaud, S Kinkingnéhun, D Papadopoulos, M Péligrini-Issac, and E Simon

A Middleware Grid for Storing, Retrieving and Processing DICOM Medical Images
I Blanquer, V Hernández, F Mas, and D Segrelles

15:40 Coffee break

16:00-16:40 Session 3: **Infrastructures for sharing data and processing tools** (second part)

A Grid Information Infrastructure for Medical Image Analysis
D Rogulin, F Estrella, T Hauer, R McClatchey, SR Amendolia, and T Solomonides
A P2P Platform for Sharing Radiological Images and Diagnoses
I Blanquer, V Hernández, and F Mas

16:40 Final remarks and closure