

EC COST B21 Physiological Modelling of MR Image Formation
--

3rd MANAGEMENT COMMITTEE AND WG1, WG2, WG3 MEETINGS

LOCAL ORGANISER

Dr George K Gregoriou
Associate Professor and Head
Department of Engineering
INTERCOLLEGE
46 Makedonitissas Avenue
P.O. Box 24005
1700 Nicosia, Cyprus
Tel: +357 22841650
Fax: +357 22357481
E-mail: gregoriou.g@intercollege.ac.cy

VENUE

Aeneas Hotel
Ayia Napa - Cyprus

1st – 2nd October, 2004

AGENDA

9.00 – 18.00



Thursday 31st September

Arrival in Cyprus during afternoon or evening. Bus transport from Larnaca airport via Hotel transport.

Friday 1st October

08.45 Welcome
G Gregoriou

08.50 Introduction
R A Lerski (UK)

Working Group 1 - Measuring Techniques : Chairman – J Reichenbach (D)

08.55 Introduction and draft agenda for the Working Group
J Reichenbach (D)

09.00 MR Signal behaviour of small structures – a phantom study
J Reichenbach and J Sedlacik (D)

09.10 The complex signal in MRI
L R Schad (D)

09.25 Further investigation of a 3D tissue perfusion model and comparison with traditional methods
A Malyshev and A Lundervold (NO)

09.40 Studies in Vienna
E Moser (A)

09.50 *Discussion*

10.10 *Coffee*

Working Group 2 – Software, simulation and modelling : Chairman – A Materka (PL)

10.35 Introduction and draft agenda for the Working Group
A Materka (PL)

10.40 MaZda: where we are and where we are going?
P Szczypinski (PL)

11.00 Modelling methodology for medical imaging
J Bèzy-Wendling (F), M Kretowski (PL)

11.20 Texture feature selection based on clustering quality
A Klepaczko and A Materka (PL)

- 11.40 Approaches to MRI simulation
P Majewski, M Strzelecki and A Materka (PL)
- 12.00 Modelling of vascular network: application to the liver
J Bèzy-Wendling (F), M Kretowski (PL)
- 12.20 Relaxometry plugin for ImageJ
A Renoult, D Baille-Barrère, P A Eliat (F)
- 12.35 Using statistics in texture analysis
S Jespersen (DK)
- 12.50 **Discussion**
- 13.00 **Lunch**

Working Group 3 – Experimental verification and trials : Chairman - J Chambron (F)

- 14.00 Introduction and draft agenda for the Working Group
J de Certaines (F) – deputising for J Chambron
- 14.20 Dynamic Relaxometry and Texture Analysis of High-Grade Gliomas
P A Eliat, D Olivié, S Saïkali, S Marcade, B Carsin-Nicol, J D de Certaines (F)
- 14.40 Liver characterization by Dynamic Relaxometry
D Baille-Barrère, C Juhel, P A Eliat, D Olivié, J Bèzy-Wendling, G Caloz, Y Gandon, J D de Certaines (F)
- 15.00 Clinical Application – Correlation of Texture Analysis with 31P MR Spectroscopy
M Dezortova, M Hajek, D Jirak, P Taimr (CZ)
- 15.10 Texture Analysis of Liver Cirrhosis in vitro. Macroscopic and MR images
D Jirak, M Dezortova, P Taimr, L Voska, M Hajek (CZ)
- 15.20 **Discussion**
- 15.40 **Coffee**

Plenary Meeting – Plans for the Action in 2004/2005

- 16.10 Working Group 1 - J Reichenbach
Working Group 2 - A Materka
Working Group 3 - J Chambron (J de Certaines)
Overall B21 Action - R A Lerski
- 17.00 Discussion on the status of the Texture Analysis textbook
M Hajek, R A Lerski, A Materka
- 18.00 **Close**

EC COST B21 Physiological Modelling of MR Image Formation
--

3rd Management Committee Meeting

VENUE

Aeneas Hotel
Ayia Napa – Cyprus

Saturday 2nd October, 2004

A G E N D A

9.00 – 18.00



9.00 – 13.00 : Chairman – Dr R A Lerski

- 1) Welcome to participants
- 2) Adoption of the Agenda
- 3) Adoption of the Minutes of the last meeting held in Dundee (12 March, 2004)
- 4) Presentation of the delegations
- 5) Status of COST B21 Action
- 6) Report from the Chair and the Science Officer: Budget Status
- 7) Non-COST participation: The MC presented Richard Baumgartner from Canada as a representative to the MC for non-COST Countries. His participation in COST B21 will be discussed and put forward for approval during the Technical Committee Meeting for Medicine and Health on 25-26 October.
- 8) Short Term Scientific Missions
- 9) Dissemination : publications and web site
- 10) Update on Work Plan
 - ◆ Objectives and work programme
 - ◆ Working methods, organisation and management
 - ◆ Distribution of tasks
 - ◆ Annual Plan
- 11) Agreement of next Working Group meetings

12) Place and date of next meeting of the Management Committee

13) Any Other Competent Business

10.00 – 10.30 : *Coffee*

13.00 – 14.00 : *Lunch*

Participants to be reimbursed

Management Committee:

B Carstocea (RO)
J Chambron (F)
N Culeddu (I)
M Desco (E)
M Dezortova (CZ)
D Dobrota (SK)
R Dommisse (B)
E Eracleous (CY) – NOT TO BE REIMBURSED
G Gregoriou (CY) – NOT TO BE REIMBURSED
M Hajek (CZ)
O Haraldseth (NO)
T Jardanhazy (HU)
A Karlsson (DK)
S Kovacic (SI)
R Lerski (UK)
S Loncaric (HR)
A Lundervold (NO)
A Materka (PL)
E Moser (A)
M Petrou (UK)
J Reichenbach (D)
A Santos (E)
L R Schad (D)
A Spisni (I)
A Staicu (RO)
H Stodkilde-Jorgensen (DK)
M Strzelecki (PL)
V Mlynarik (SK)

Working Group 1:

C Brekken (NO) *
R Dommisse (B)
G Gregoriou (CY)
M Hajek (CZ)
T Jardanhazy (HU)
A Karlsson (DK)
E Moser (A)
J Reichenbach (D)
L Schad (D)
A Spisni (I)
M Strzelecki (PL)
S Trattinig (A) *
J Bezy-Wendling (F) *
P-A Eliat (F) *

Working Group 2:

N Culeddu (I)
S Kovacic (SI)
R Lerski (UK)
S Loncaric (HR)
A Materka (PL)
M Petrou (UK)
A Santos (E)
A Staicu (RO)
M Barth (A) *
S Jespersen (DK) *
P Szczypinski (PL) *

Working Group 3:

B Carstocea (RO)
J de Certaines (F) *
J Chambron (F)
M Desco (E)
M Dezortova (CZ)
O Haraldseth (NO)
D Jirak (CZ) *
A Lundervold (NO)
H Stodkilke-Jorgensen (DK)
D Dobrota (SK)
E Eracleous (CY)

Summary

Management Committee members	=	28
Non-Management Committee Working Group participants	=	9
Local (no reimbursement)	=	2
TOTAL	=	<u>39</u>