

M6-meeting 29-30 September 2008 Department of Engineering and Computer Science Universitat Jaume I de Castellon seminar room TI-2112

# AGENDA

## Monday Sep 29th

Start at 14:30pm

## 1) Welcome and communications

## 2) Presentation of the work towards the objective of the 1st period

For each \*task\* (per WPs) up to 20min presentation on the work done towards the objectives. (i) Adherence to the Workplan? (ii) Are the goals still feasible and relevant? (iii) Is the approach adequate?

- Assessment of cooperations and plan for Subgroup meetings for the 2nd day.
- General observations from all. Analysis of critical issues (if any).

end 18:30/19:00pm

## **Tuesday Sep 30th**

Morning / Start at 9:00am

## 3) Project Management issues (part 1)

(i) Quality of deliverables. (ii) Evidence of cooperation. (iii) Website. (until 10 or so).

## 4) Subgroup meetings

13:30-14:30pm Lunch Afternoon / start at 14:30

## 5) Brief report on the subgroup meetings by subgroup leaders (15 min each)

What has been done? Plans? Problems?

## 6) Project Management issues (part 2)

(i) Relations with other projects. (ii) Summer School. (iii) Dissemination plans. (iv) Towards the 1st PAR. (v) Next meeting. (vi) Matters arising.

## 7) Conclusions

(i) Overall assessment respect to the "Description of Work". (ii) Criticalities/Deviations from plan. (iii) Consequent actions and decisions. (iv) Responsibilities.

end 18:30/19:00pm

### **RUNNING TASKS**

T1.1: Binocular eye coordination. [UG-DIST 8PM, UJI 1PM]

T2.1: Network paradigm for intelligent vergence control. [UG-DIBE 13PM, KUL 20PM]

T3.1: Defining visual fragment: object identity. [UG-DIBE 4PM, WWU-FH 19PM, KUL 1PM]

**T4.1:** *Merging perception-related and action-related visual information.* [UG-DIBE 1PM, UJI 6PM, UBO 3PM]

**T5.1:** *Role of visual and oculomotor cues in the perception of 3D space*. [UG-DIBE 2PM, WWU 2PM, UNIBO 29PM, K.U.Leuven 1PM]

T5.2: Link across fragments. [UNIBO 30PM, WWU 2PM, UJI 1PM]

T5.3: Motor description of fragment location. [WWU-ML 19PM, UNIBO 11PM, UJI 1PM]

Del. no.	Deliverable name	WP no.	Lead bene- ficiary	person- months	Nature	Dissemi- nation level	project month
D1.1	Binocular eye coordination and its role in depth vision	1	UG-DIST	9	R	PU	12
D3.1a	Demonstration of learning disparity-tuned feature selective cells	3	WWU	12	О	PU	12
D4.1	Description of integrated representation	4	UЛ	10	R	PU	9
D6.1	Launch of the project web-site	6	UG-DIBE	3	D	PU	3, updates
D7.1	Creation, composition and publication of web pages	7	UG-DIBE	3	D	PU	3, updates
D8.1	Literature database	8	UG-DIBE	2	D	PU	3

DELIVERABLES TO BE SUBMITTED IN THE 1ST PERIOD

List and schedule of milestones of the 1st reporting period									
Mile stone no.	Milestone name	WPs no's.	Lead benefici ary	Delivery date	Comments: Success criteria/expected functionality and means of verification				
M1	Low-level automatic servos based on primary disparity information	WP1	UG	6	<ul> <li>Expected functionality: Structural mechanisms for binocular coordination of version and vergence movements. Strategies for visuomotor binocular control.</li> <li>Means of verification: Test on functionality and performance of conjugate eye movements between two assigned targets on different depth planes. Cooperation of vergence and version movements.</li> </ul>				
M2	Merging of action and perception	WP4	UJI	9	<b>Expected functionality:</b> Intermediate result. Integrated representation model for describing objects belonging to the peripersonal space. Towards a distributed and complete awareness of the 3D environment at arm-reaching distances. <b>Means of verification:</b> The model will describe bidirectional associations between visual and motor information to provide a (vision+behavior)- based description of the peripersonal space.				
M3	Learning algorithm for bi-directionally connected disparity tuned feature-selective cells	WP3	WWU	12	<ul> <li>Expected functionality: Learning should lead to multiple feature selective cells that show a tuning to different disparity values, similar as observed in real neurons</li> <li>Means of verification: The tuning must cover the spectrum of disparity values as determined by the input scenes to allow the usage of these cell responses at later stages.</li> </ul>				
M4	Experimental data on fragment location in humans obtained	WP5	WWU	12	<ul> <li>Expected functionality: Intermediate result.</li> <li>Psychophysical bases for respective influence of motor and visual parameters on fragment location obtained from saccade adaptation data (on humans).</li> <li>Means of verification: Hypothesis that saccade adaptation modifies perceived location of saccade goals confirmed by experiment.</li> </ul>				
M6. ante	Experimental set-up	WP5	UNIBO	8	The visual stimulation system, the new eye- movement recording system and the device for reach-in-depth will be ready.				