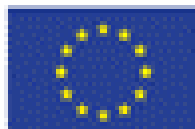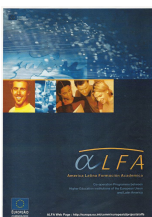Program of

Practical Session of the course
"Motion Analysis and clinics: why to set up a Motion Analysis Lab ?"
TRAMA Network Project

21st – 25th January 2008

Université Libre de Bruxelles
BRUXELLES (BELGIUM)

Monday, 21th Januray 2008
Location: LNMB, Erasme

9.00 – 12.00   **Introduction to the practical aspect of ELITE 7 cameras**
- working field, procedure of dynamic calibration
- Smart analyser
- Tele EMG

12.00 – 14.00   Lunch

14.00 – 17.00   **Experiments in real situations**

17.00 – 18.00   *Francoise Leurs (LNMB, ULB)*
Introduction to dynamic recurrent neural network methods for EMG to kinematics mapping

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Tuesday, 22nd January 2008
Location: LNMB, Erasme

9.00 – 12.00   **Experiments in real situations**

12.00 – 14.00   Lunch

14.00 – 17.00   **Introduction to the different methods for data analysis**

Wednesday, 23rd January 2008
Location: LNMB, Erasme

9.00 – 12.00   **Experiments in real situations**

12.00 – 14.00   Lunch

14.00 – 17.00   **Treatment of the data**

17.00 – 18.00   *Dr. Ana Bengoetxea (LNMB, ULB)*
On line validation with TeleEMG analysis of a kinesitherapeutic treatment evaluation

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Thusday 24th January
Location: Brugmann Hospital

9.00 – 12.00   **Recordings in clinical situations**

12.00 – 14.00   Lunch

14.00 – 17.00   **Single cases analysis**

17.00 – 18.00   *Prof. Bernard Dan (ULB)*
The key elements for clinical gait analysis

Friday 25th January
Location: Brugmann Hospital

9.00 – 12.00   **Recordings in clinical situations and single cases analysis**

12.00 – 14.00   Lunch

14.00 – 17.00   *Dr. Y Ivanenko (University of Roma)*
     Introduction to principal component analysis in motor control field and applications

17.00 – 18.00   Conclusions of the practical session