



# TRAMA

## TRaining in Motion Analysis



# Seminar on Bioengineering of Motor System and Results evaluation

TRAMA Network Project

23rd – 24th February 2009

Colegio Mayor Universidad del Rosario, Bogotá  
Instituto de Ortopedia Infantil Roosevelt, Bogotá



### Monday, 23rd February 2009

#### Seminar on Bioengineering of Motor System

**Colegio Mayor Universidad del Rosario - Facultad de Rehabilitación y Desarrollo Humano**

The main aim of the seminar is the study of the base concepts between engineering and biological of the motor human system.

In particular, the specific aims are:

- To present the base concepts about quantitative analysis of the movement
- To identify the forms of representation of the human movement
- To identify the principal applications in productive environments
- To identify the variables of analysis and diagnose

8.00 - 9.30

*Dr. Jose Luis Duplat (CIREC - Instituto Roosevelt)*

**Generalities of the analysis of the movement: Historical review.**

**The logic of the analysis of the movement : Basic concepts of kinematics and kinetics**

9.30 - 11.00

*Dr. Luis Eduardo Rueda (Instituto Roosevelt)*

**The study of the upper limb system**

11.00 - 11.15

**Break**

11.15 - 12.15

*Prof. Juan Alberto Castillo (Colegio Mayor Universidad del Rosario)*

**Motor cognition and human movement**

12.15 - 13.00

**Discussion**

14.00 - 16.30

*Prof. Carlo Frigo (Bioeng. Dept. Politecnico di Milano, Italy)*

**Biomechanical modelling**

16.30 - 17.00

**Discussion**

### Tuesday, 24th February 2009

#### Results Evaluation

**Instituto de Ortopedia Infantil Roosevelt**

*Chairman: Prof. Carlo Frigo (Bioeng. Dept. Politecnico di Milano, Italy)*

8.00 - 10.30

**Grant Holders thesis proposal presentation**

10.30 - 11.00

**Discussion**

11.00 - 12.00

**Visit to the Instituto de Ortopedia Infantil Roosevelt**



[www.biomed.polimi.it/trama/](http://www.biomed.polimi.it/trama/)