

SCHOOL PROGRAM



Legend

SU : Sunday 13 July 2008
MO: Monday 14 July 2008
TU: Tuesday 15 July 2008
WE: Wednesday 16 July 2008
TH: Thursday 17 July 2008
FR: Friday 18 July 2008
SA: Saturday 19 July 2008

Opening session

Tenuta Bonzara, San Chierlo di Monte San Pietro *

SU 17-17.30 Opening ceremony

SU 17.30-18.30 *Translational research in neuro-motor rehabilitation* Paul Cordo, OHSU, Portland-Beaverton (OR) USA

SU 19.00 Welcome party

Venue: Tenuta Bonzara, San Chierlo di Monte San Pietro

Module 1: Basic Principles & Refreshers

MO 9.00-10.20 Neurophysiology of motor systems (A. Nardone, Veruno, I)

MO 10.20-10.40 COFFEE-BREAK

MO 10.40-12.10 Neurophysiology of sensory systems (Paul Cordo, Portland, USA)

MO 12.10-12.30 Discussion

MO 12.30-13.30 LUNCH

MO 14.00-15.15 Biomechanics for laboratory measurement of human movement (R. Stagni, Bologna, I)

MO 15.15-15.30 COFFEE-BREAK

MO 15.30-16.45 Ambulatory techniques for biomechanics of human movement (K. Aminian, Lausanne, CH)

MO 16.45-18.30 Laboratory activities

MO 19.00-23.00 DINNER AT "TRATTORIA DEL BORGO" (Monteveglia)

Module 2: Microsystems for neuro-motor assessment and rehabilitation

TU 9.00-10.20 Computational methods for inertial/magnetic sensing in human movement analysis (A. Sabatini, Pisa, I)

TU 10.20-10.40 COFFEE-BREAK

TU 10.40-12.10 Sensor data fusion (S. Simani, Ferrara, I)

TU 12.10-12.30 Discussion

TU 12.30-13.30 LUNCH

TU 14.00-15.15 Displays and actuators (L. Chiari, Bologna, I)

TU 15.15-15.30 COFFEE-BREAK

TU 15.30-16.45 Microsystems for human movement monitoring and conditioning (A. Cappello, Bologna, I)

TU 16.45-18.00 Laboratory activities

* Please note, location of the opening session has changed from what advise d in the preliminary program

Module 3: Pervasive Health Networking

WE 9.00-10.15 Data and signal management in on-body systems: challenges for real time and on-board processing (L.Benini, Bologna, I)

WE 10.15-10.30 COFFEE-BREAK

WE 10.30-11.45 Data management and processing for remote monitoring and tele-health (F.Baruffaldi & M.A. Giampaolo, Bologna, I)

WE 11.45-13.00 Poster presentations

WE 13.00-14.00 LUNCH

WE 14.00-20.00 SOCIAL ACTIVITIES #1

WE 20.00-23.00 COUNTRY DINNER AT "TRATTORIA SANCHIERLO"

SENSACTION-AAL Special Session

THU 9.00-9.20 Sensing and Action to support mobility in Ambient Assisted Living: Project Overview (L. Chiari, Bologna, I)

THU 9.20-10.20 Assistive technology: the users' perspective (K. Pfeiffer, Stuttgart, D)

THU 10.20-10.40 COFFEE-BREAK

THU 10.40-11.45 Emerging technology for fall preventions (W. Zijlstra, Groningen, NL)

THU 11.45-12.00 Demonstrations of project prototypes

Module 4: First-hand Presentation of Applications & Experiences

THU 12.00-13.00 Peak performance assessment in sports (G. Sjøgaard, Odense, DK)

THU 13.00-14.00 LUNCH

THU 14.00-20.00 SOCIAL ACTIVITIES #2

THU 20.00-22.30 FREE DINNER IN BOLOGNA

FRI 9.00-10.20 Evaluation of measurement properties of measures for use in clinical research (R. Moe-Nilssen, Bergen, NO)

FRI 10.20-10.40 COFFEE-BREAK

FRI 10.40-11.45 Laboratory activities

FRI 11.45-13.00 Poster presentations

FRI 13.00-14.00 LUNCH

FRI 14.30-15.45 From EEG to Virtual Reality: tools and methods for neuro-rehabilitation (L. Piron, Venezia, I)

FRI 15.45-16.00 COFFEE-BREAK

FRI 16.00-17.00 Human computer interaction and neuro-feedback (A. Fantini, Rimini, I)

FRI 17.00-18.00 Laboratory activities

FRI 20.00-23.00 GALA DINNER AT "LOCANDA DELLE ROSE" (Crespellano)

Venue: Centro Protesi INAIL

Module 5: Visit to INAIL prosthesis center, Vigorso di Budrio

SA 9.30-12.30 Prosthetics (A.G. Cutti, Budrio, I)

SA 9.30-12.30 Domotics and ambient assisted living (A. Davalli, Budrio, I)

SA 12.30-13.00 Test for ECTS credits

SA 13.00 Closure of the Course & take away lunch