EnTimeMent Markerless Motion Capture Campaign

8-19 November 2021, Casa Paganini-InfoMus, DIBRIS, University of Genoa

EnTimeMent aims to design innovative sensitive and interactive technologies enabling the automated prediction and analysis of human movement qualities, entrainment, non-verbal full-body social emotions, towards the foundation and consolidation of a radically new motion analysis technology.

The EnTimeMent Markerless Motion Capture Campaign consists of a 2-week series of feasibility studies and experiments investigating the recent innovative mocap technology by Qualisys and the novel techniques for movement analysis and prediction developed by the EnTimeMent Consortium.

MMC Campaign Showcase Event
19 November 2021, 3:00-6:00pm *Online participation:* *https://www.youtube.com/InfoMusLab*
Programme

15:00-15:10 EnTimeMent: challenges and perspectives (Antonio Camurri, EnTimeMent Coordinator)

15:10-15:20 Qualisys novel markerless technology (Erwin Schoonderwaldt, Qualisys)

Movement experiments and feasibility studies:
15:20-15:30 Participation and interaction in childhood disability (Gaslini Children Hospital, UniGe)
15:30-15:40 Intentions and Emotions (Maastricht University)
15:40-15:50 The kinematics of intentions in reach-to-grasp actions (IIT)
15:50-16:00 Leadership and entrainment in small groups (UniGe, EuroMov)
16:00-16:10 Expressive music performance in Indian music (Durham University)
16:10-16:20 Supporting musculoskeletal chronic pain management (UCL)

16:20-18:00 Round table - Chair: Federico Smanio (Wylab)
Participants: Stakeholders: Maryam Bandukda (GDI Hub, London), Adriano Bacconi (Math & Sport), Georgia Cesarone (CTI Liguria), Daniel Bassett (Totum Motum), Paolo Moretti (Gaslini Children Hospital, Genoa), EnTimeMent partners: Benoit Bardy and Marta Bienkiewicz (EuroMov, University of Montpellier), Nadia Berthouze (UCL, London), Mårten Björkman (KTH, Stockholm), Antonio Camurri (University of Genoa), Beatrice de Gelder (University of Maastricht), Cristina Becchio and Luciano Fadiga (IIT), Dimitrios Karadimas (VBC, Athens), Daniel Bassett and Erwin Schoonderwaldt (Qualisys).

Organizing committee: Antonio Camurri, Corrado Canepa, Eleonora Ceccaldi, Andrea Cera, Paolo Coletta, Vincenzo D'Amato, Cora Gasparotti, Simone Ghisio, Sanket Sabharwal, Roberto Sagoleo, Gualtiero Volpe (University of Genoa); Erwin Schoonderwaldt, Sten Remmelg, Daniel Basset (Qualisys); Nadia Berthouze, Temitayo Olugbade, Nicholas Gold, Amanda CdC Williams (UCL); Benoit Bardy, Marta Bienkiewicz (University of Montpellier); Beatrice de Gelder, Marta Poyo Solanas, Giuseppe Marrazzo (Maastricht University); Cristina Becchio, Luciano Fadiga, Andrea Cavallo, Nathan Foster, Kiri Pullar, Eugenio Scaliti, James Strachan, Luca Sbrollini (IIT); Martin Clayton, (Durham University); Federico Smanio, Francesca Picasso (Wylab); Maryam Bandukta, Giulia Barbareschi (GDI Hub).

EU Horizon 2020 FET PROACTIVE EnTimeMent Consortium: Università di Genova, DIBRIS, Casa Paganini-InfoMus, Italy (Coordinator); University of Montpellier, EuroMov, France; Royal Institute of Technology – KTH, Sweden; Visual Business Consultants – VBC, Greece; University of Maastricht, The Netherlands; Qualisys, Sweden; Istituto Italiano di Tecnologia - IIT, Italy; University College London – UCL, United Kingdom; Durham University, United Kingdom; Waterloo University, Canada; Western Sydney University, Australia.
Third Parties: GDI Hub, UK; Wylab, Italy.

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