

# MeeTo

From moving bodies to interactive minds

Friday 25th – Sunday 27th May 2018  
 Aula Magna del Rettorato, Università degli Studi di Torino, via Verdi, 8 - Torino

## Scientific Program

Friday 25th May

8.30 - 9.30	Onsite Registration	
9.30 - 9.40	Welcome Speech	
9.40 - 10.30	Keynote Lecture I – <b>Cristina Becchio</b> : <i>Seeing Mental states: an empirical approach</i>	
10.30 - 11.00	Poster Pitch I	<ol style="list-style-type: none"> <li>1. <b>Quentin Moreau</b> - Prediction errors during interpersonal motor interactions reveal frontal and occipito-temporal theta.</li> <li>2. <b>Lukasz Okruszek</b> - Processing of communicative intentions from biological motion – an ERP study.</li> <li>3. <b>Jairo Perez-Osorio</b> - Action expectations modulate joint attention in naturalistic scenarios.</li> <li>4. <b>Valentina Bruno</b> - Inhibitory motor response with a phantom limb: an ERP study.</li> <li>5. <b>Laura S. Cuijpers</b> - The effect of mechanical coupling on interpersonal coordination in crew rowing.</li> <li>6. <b>Divya Bhatia</b> - Pointing performed by others facilitate visuo-spatial memory, but how much should I be involved?</li> </ol>
11.00 - 12.00	Poster session I + coffee break	

12.00 - 13.20	Symposium I - <b>Annalisa Bosco</b> (convener), <b>Paola Binda</b> , <b>Silvio P. Sabatini</b> , <b>Vittorio Sanguineti</b> : <i>Shaping the understanding of the world through action</i>	
13.20 - 14.20	Lunch	
14.20 - 15.20	Talk session I <i>Moving bodies I</i>	<ol style="list-style-type: none"> <li>1. <b>Antonella Maselli</b> - Whole-body throwing kinematics cues provide information on ball trajectory and individual throwing style.</li> <li>2. <b>James P. Trujillo</b> - Action expectation and social processing; Brain activation in response to communicatively exaggerated kinematics.</li> <li>3. <b>Katrina L. McDonough</b> - From Moving Bodies to Distorted Minds: Expectations of Action Bias Social Perception.</li> </ol>
15.20 - 16.20	Talk session II <i>Moving bodies II</i>	<ol style="list-style-type: none"> <li>1. <b>Claudia Gianelli</b> - On grasping and being grasped: processing active and passive language in the motor system.</li> <li>2. <b>Stefania Moretti</b> - Can nodding and shaking reveal attitudes? A preliminary study of embodied social cognition on head movements.</li> <li>3. <b>Alessandro Grecucci</b> - Shame on you! Morphometric and neuropsychological evidence of shame processing.</li> </ol>
16.20 – 16.50	Coffee break	
16.50 – 17.50	Talk session III <i>Representation of Space</i>	<ol style="list-style-type: none"> <li>1. <b>Luigi F. Cuturi</b> - The triangle completion task in children: The development of spatial updating across age.</li> <li>2. <b>Miles Tufft</b> - Social Beliefs and Visual Attention: How the Social Relevance of a Cue Influences Spatial Orienting.</li> <li>3. <b>Michele Scandola</b> - Moving in space in a wheelchair: the embodiment of one's own wheelchair and its effects on navigational space representation in people with spinal cord injury.</li> </ol>
17.50 – 18.50	Talk session IV <i>Movement and interaction</i>	<ol style="list-style-type: none"> <li>1. <b>Oscar de Brujin</b> - Evidence for adaptive utility maximisation in the coordination of meaning in task-focussed conversations.</li> <li>2. <b>Paola Cesari</b> - When sounds convey emotions: sound localization and action pre-planning.</li> <li>3. <b>Gillian S. Forrester</b> - Motor biases and social ability in typically developing children.</li> </ol>

## Saturday 26th May

9.30 - 9.40	Introduction	
9.40 - 10.30	Keynote Lecture II – <b>Leonhard Schilbach</b> : <i>Towards a second-person neuroscience &amp; neuropsychiatry: Insights from behavioral and neuroimaging studies</i>	
10.30 - 11.00	Poster Pitch II	<ol style="list-style-type: none"> <li>1. <b>Sonia Betti</b> – The role of gaze in social requests.</li> <li>2. <b>Sonia Ponzo</b> - It's not you, it's me: the impact of visual feedback on motor awareness, agency and body ownership in anosognosia for hemiplegia.</li> <li>3. <b>Bruno Galantucci</b> - Satisficing trumps optimizing in human communicative interaction.</li> <li>4. <b>Jordi Manuella</b> - A quantitative evaluation of the transdiagnostic meaning of social cognitive dysfunction.</li> <li>5. <b>Birgit Rauchbauer</b> - Neurophysiological mechanisms of conversation investigated with fMRI.</li> <li>6. <b>Elena Aggius Vella</b> - Auditory spatial representation around the body.</li> </ol>
11.00 - 12.00	Poster session II + coffee break	
12.00 - 13.00	Symposium II - <b>Frank Van Overwalle</b> (convener), <b>Giusy Olivito</b> , <b>Chiara Ferrari</b> : <i>The social cerebellum</i>	
13.00 – 14.00	Lunch	
14.00 – 14.50	Keynote Lecture II – <b>Natalie Sebanz</b> : <i>Self and other as a unit: The “We” in joint action planning and coordination</i>	
14.50 – 15.50	Talk session V <i>Joint actions</i>	<ol style="list-style-type: none"> <li>1. <b>Shaheed Azaad</b> - Social modulation of affordances: Task sharing creates joint affordances in a bimanual affordance task.</li> <li>2. <b>Lucia M. Sacheli</b> - Behavioural and Neurophysiological Evidence for a Dyadic Motor Plan in Joint Action.</li> <li>3. <b>Cordula Vesper</b> - Modulating action duration to establish non-conventional communication.</li> </ol>
15.50 – 16.50	Talk session VI <i>Coordination</i>	<ol style="list-style-type: none"> <li>1. <b>Dimitrios Kourtis</b> - Observation of communicative cues makes human interaction more meaningful: Evidence from EEG.</li> <li>2. <b>Francesca Ciardo</b> - Emergent coordination in cooperative and competitive joint action.</li> <li>3. <b>Frank T. J. M. Zaal</b> - Emergent Coordination in Joint Interception.</li> </ol>
16.50 - 17.20	Coffee break	

17.20 - 18.20	Talk session VII <i>Neurodevelopment</i>	<ol style="list-style-type: none"> <li>1. <b>Arianna Curioni</b> - Joint goal representation in infants: a fNIRS study.</li> <li>2. <b>Michela Candini</b> - When social and action space diverge: a study in children with Autism Spectrum Disorders.</li> <li>3. <b>Anna Ciaunica</b> - The Multisensory Base of Bodily Coupling in Face-to-Face Social Interactions: Contrasting the Case of Autism with the Mobius Syndrome.</li> </ol>
18.20 – 19.20	Talk session VIII <i>New technologies for the study of interaction</i>	<ol style="list-style-type: none"> <li>1. <b>Agnieszka Wykowska</b> - Uncovering mechanisms of social cognition with the use of experimental protocols involving a humanoid robot.</li> <li>2. <b>Jacopo Zenzeri</b> - Knowledge transfer during dyadic physical interaction: learning and generalization.</li> <li>3. <b>Victoria Brugada-Ramentol</b> - I move, therefore I am (?): Active control increases sense of ownership over a virtual limb in a reaching-like task.</li> </ol>
20.30	Social Dinner	

## Sunday 27th May

10.00 - 10.10	Introduction	
10.10 - 11.00	Keynote Lecture IV – <b>Luciano Fadiga</b> : <i>'Action and interaction'</i>	
11.00 - 12.00	Talk session IX <i>The space and the body</i>	<ol style="list-style-type: none"> <li>1. <b>Ivan Patanè</b> – Object ownership reveals peripersonal space modulations during observed and executed actions.</li> <li>2. <b>Irene Ronga</b> - Me, my hand, and I: Repeated stimulation highlights a possible correlate of self-body recognition in visual ERPs.</li> <li>3. <b>Valentina Pacella</b> - The role of white matter disconnections in Anosognosia for Hemiplegia.</li> </ol>
12.00 – 13.00	Talk session X Social cognition	<ol style="list-style-type: none"> <li>1. <b>Rami Gabriel</b> – A Model of affect and social affordances in non-linguistic animals.</li> <li>2. <b>Anika Fiebich</b> - Pluralism in Social cognition.</li> <li>3. <b>Anna-Katarina Strasser</b> - Reciprocal exchanges of social cues in social interactions.</li> </ol>
13.00 - 13.30	General discussion and closing remarks	

## Poster Session I - 25th May

**Amadeo, Campus, Gori**

Individuals with long blindness duration “visualize” space through time

**Ang, Sebanz, Knoblich**

Planning time taken by pairs and individual for a task distribution is differently affected by ambiguity in the coordination cues and ambiguity in the task

**Bhatia, Spataro, Rossi-Arnaud**

Pointing performed by others facilitate visuo-spatial memory, but how much should I be involved?\*\*\*

**Bruno, Grollero, Ronga, Fossataro, Capozzi, Garbarini**

Inhibitory motor response with a phantom limb: an ERP study\*\*\*

**Czeszumski, Wahn, König**

Does the social situation affect how we process feedback about our actions?

**Cuijpers, Zaal, Den Hartigh, de Poel**

The effect of mechanical coupling on interpersonal coordination in crew rowing\*\*\*

**Elekes, Sebanz**

The role of semantic processing in the joint memory effect

**Emadi Andani, Rossettini, Dalla Negra, Testa, Tinazzi, Florio**

The direction of focus of attention modulates the placebo effect in motor performance

**Federici, Casartelli, Cesareo, Biffi, Valtorta, Molteni, Ronconi, Borgatti**

Second-order motor planning ability without the cerebellum

**Fossataro, Bonarrigo, Ronga, Bruno, Garbarini**

Body awareness and multisensory integration: an ERP study

**Gvirts, Dangoor, Brezis, Golland, Shamay-Tsoory**

The role of the left inferior frontal gyrus in interpersonal synchrony: a tDCS study

**Moreau, Era, Tieri, Candidi**

Prediction errors during interpersonal motor interactions reveal frontal and occipito-temporal theta\*\*\*

**Okruszek, Rutkowska, Zarzycka**

Processing of communicative intentions from biological motion – an ERP study\*\*\*

**Parrotta, Moreau, Martelli, Candidi**

Functional role of occipito-temporal Theta rhythm in Hand visual perception

**Pérez-Osorio, De Tommaso, Wykowska**

Action expectations modulate joint attention in naturalistic scenarios\*\*\*

**Podda, Ansuini, Memeo, Becchio**

The role of movement frequency on motor contagion

**Quarona, Ansuini, Scality, Cavallo, Becchio**

Perceiving objects through actions: real grasps prime the presence of an object

Rocca, Zingarelli, Pretti, Cavallo

How you will move affects me: the co-representation of the other's upcoming movements

Schmitz, Vesper, Sebanz, Knoblich

Co-actors represent the order of each other's actions

Foriano, Cavallo, D'Ausilio, Becchio, Fadiga

The role of movement kinematics in neural chain selection during action observation

Török, Csibra, Sebanz

Rational joint action planning: People make decisions that maximize co-efficiency

Vecchiato, Del Vecchio, Ascari, Deon, Kubin, Ambeck-Madsen, Rizzolatti, Avanzini

Electroencephalographic time-frequency patterns of braking and acceleration movement preparation in car driving simulation

Ward, Bach, Ganis

Knowing Others' Minds: Automatic Level-2 Visual Perspective Taking as a Perceptual Simulation

Wyer

Interpersonal Synchrony and Person-Specific Theory of Mind

\*\*\*5 minutes oral presentation before the poster session. See Poster Pitch I



## Poster Session II - 26th May

**Aggius-Vella, Campus, Gori**

Auditory spatial representation around the body\*\*\*

**Betti, Castiello, Granziol, Guerra, Zani, Sartori**

The role of gaze in social requests\*\*\*

**Boukarras, Era, Candidi**

Social status shapes affective evaluations and dyadic motor interactions in humans

**Casartelli, Federici, Cesareo, Biffi, Fumagalli, Ronconi, Molteni, Sinigaglia**

I see the way, but only when its expression is typical: motor representation of vitality forms in autism

**Constable, Elekes, Sebanz, Knoblich**

Does 'me' become 'we'? we-prioritisation in the cognitive system

**Emadi Andani, Villa-Sanchez, Menegaldo, Fiorio**

Improving balance control with the placebo effect

**Galantucci**

Satisficing trumps optimizing in human communicative interaction\*\*\*

**Grecucci, Piretti, Lunardelli, Pappaianni, Pesavento, Rumiati, Job**

Shameless! Evidence of amygdala lesion in shame processing

Manuello, Costa, Nani, Tatu, Liloia, Vercelli, Duca, Cauda

A quantitative evaluation of the transdiagnostic meaning of social cognitive dysfunction\*\*\*

McDonough, Bach, Costantini, Hudson

Getting to grips with action understanding: Affordance matching predictively shapes the perceptual representation of others' actions

Mukherjee, Badino, Hilt, Tomassini, Inuggi, Fadiga, Nguyen, D'Ausilio

The neural oscillatory markers of phonetic convergence during verbal interaction

Müller, Eßmann, Schönau

The intervening relation of "top-down" and "bottom-up"-processes for the generation of human behavior

Nafcha, Shamay-Tsoory, Gabay

Social Inhibition of Return from the Distance

Neergaard, Turan, German

Lexical competition between words, the body, and in social interaction

Neszmélyi

The influence of cooperative interaction on the processing of auditory action-effects

Özkan, Pezzetta

Predicting the fate of basketball throws: a psychophysics and EEG study in healthy and paraplegics athletes

Ponzo, Kirsch, Besharati, Martinaud, Jenkinson, Fotopoulou

It's not you, it's me: the impact of visual feedback on motor awareness, agency and body ownership in anosognosia for hemiplegia\*\*\*

**Prinsen, Alaerts**

Social proficiency and its relationship to socially-adaptive mirror system functioning

**Rauchbauer, Prévot, Ochs, Nguyen, Chaminade**

Neurophysiological mechanisms of conversation investigated with fMRI\*\*\*

**Rosenstreich, Levi, Laslo-Roth**

A matter of (inner) balance: the association between facets of mindfulness, attention deficit, and postural stability

**Sabu, Curioni, Sebanz, Knoblich**

*Is Your Partner's Variability Helpful or Detrimental in Joint Motor Learning?*

**Scaliti, Koul, Ansuini, Cavallo, Becchio**

Intention is in the action: reach-to-grasp kinematics primes the intent towards an object

**Tonelli, Campus, Serino, Gori**

Improvement of audio-tactile multisensory interaction in a peripersonal task after auditory training

**Villa-Sánchez, Emadi Andani, Florio**

The role of the dorsolateral prefrontal cortex in the expectation-induced enhancement of force: a tDCS study

**Volta, Ceccaldi, Volpe**

Multimodal exergames: case studies in pediatric rehabilitation

\*\*\*5 minutes oral presentation before the poster session. See Poster Pitch II