

Joint Action Meeting VIII

Wednesday 10th – Saturday 13th July 2019

Casa Paganini, InfoMus Research Centre, Piazza di Santa Maria in Passione, 34
Genoa (Italy)



Scientific Program

Wednesday 10th July

8.30 - 9.30	Onsite Registration	
9.30 - 9.45	Welcome Speech	
9.45 - 11.30	Talk Session I <i>Prediction and Planning</i>	<ol style="list-style-type: none"> 1. John Michael - Doing it together, differently: Joint action goals reduce visuomotor interference from a partner's incongruent actions 2. Matilde Rocca - Wired actions: How the representation of others' upcoming movements shapes our kinematics 3. Jaroslaw R. Lelonekiewicz - Action-effect anticipation and temporal adaptation in joint actions 4. Daniele Schön - Temporal predictions of children with hearing loss during verbal interactions: Benefits of a rhythmic training 5. Lucia M. Sacheli - Task interactivity shapes action observation
11.30 - 12.15	Poster Session I Morning + Coffee Break	
12.15 - 13.15	Talk Session II <i>Representing Others</i>	<ol style="list-style-type: none"> 1. Basil Wahn - Performing a task jointly enhances the sound-induced flash illusion 2. Roser Cañigüeral - Using fNIRS hyperscanning to study dyadic interactions: the case of reputation management 3. Morgan Beaurenaut - Action co-representation under threat
13.15 - 14.00	Lunch	
14.00 - 15.45	Talk Session III <i>Learning</i>	<ol style="list-style-type: none"> 1. Ashley Dhaim - Do we think to act or act to think? Insight from a developmental joint action task 2. April Karlinsky - Motor learning with a partner 3. Colin Annand - Learning differences between intra- and interpersonal coordination 4. Vittorio Sanguinetti - Adaptivity in the development of collaborative strategies 5. Simily Sabu - How does a partner's motor variability affect joint action?
15.45 - 16.00	Break	
16.00 - 17.00	Talk Session IV <i>Perspective Taking and Mentalizing</i>	<ol style="list-style-type: none"> 1. Eleanor Ward - A perceptual account of spontaneous visual perspective taking in social interactions 2. Tian Ye - Multi-agent visuospatial perspective selection in adults 3. Antonia Hamilton - Brain mechanisms of face-to-face lying measured with fNIRS
17.00 - 17.45	Poster Session I Afternoon + Coffee Break	
17.45 - 18.45	Talk Session V <i>Improvisation</i>	<ol style="list-style-type: none"> 1. Matt Setzler - Synergistic interaction in improvising piano duos 2. Manuel Varlet - Neural tracking of self and other during joint movement improvisation 3. Louise Goupil - Goal sharing and coordination during collective free improvisation
19.00 - 20.00	Welcome Drink @Santa Maria di Castello cloister	

Thursday 11th July

9.00 – 9.45	Onsite Registration	
9.45 - 10.45	Talk Session VI <i>Agency</i>	<ol style="list-style-type: none"> 1. Ouriel Grynszpan - The sense of agency in haptic joint action with a human versus a robot 2. Solene Le Bars - Interplay of motor coordination and strategic reasoning on explicit and implicit sense of agency in joint action 3. Bert Timmermans - Social interaction changes the time course of implicit sense of agency
10.45 - 11.00	Scientific Demo by InfoMus Casa Paganini	
11.00 - 11.45	Poster Session II Morning + Coffee Break	
11.45 – 13.30	Talk Session VII <i>Coordination</i>	<ol style="list-style-type: none"> 1. Thomas Wolf - The bug within - Why do people rush during rhythmic interactions? 2. Juliane J. Honisch - Socially attuned: More accurate timekeeping with humans than with metronomes 3. Arianna Curioni - Do individuals represent the costs and rewards of coordination when deciding to act together? 4. Carmela Calabrese - Emergence of leadership in the mirror game 5. Ivana Konvalinka - Interpersonal coordination mechanisms in a real-world social network: Asymmetry in network centrality predicts coordination asymmetry
13.30 – 14.30	Lunch	
14.30 – 16.00	Talk Session VIII <i>Development and Disorders</i>	<ol style="list-style-type: none"> 1. Katherine Ellis - The development of intentionality and joint action in genetic syndromes 2. Veronica Ramenzoni - Load sharing in joint actions; how children and adults estimate the intended effort of acting together 3. Alexandra Georgescu - Evaluating interpersonal synchrony in naturalistic dyadic conversations: Lessons from autism spectrum conditions and typical development 4. Piotr Slowinski - Unravelling socio-motor biomarkers in schizophrenia
16.00 – 16.45	Poster Session II Afternoon + Coffee Break	
16.45 - 17.45	Talk Session IX <i>Communication I</i>	<ol style="list-style-type: none"> 1. Richard C. Schmidt - Bodily synchrony as an index of social skills and affiliation 2. Bruno Galantucci - Listeners do not systematically repair communication problems (even when the repair is likely to be really necessary) 3. Cordula Vesper - Crossmodal correspondences as common ground in joint action

Friday 12th July

9.00 – 9.30	Onsite Registration	
9.30 - 10.30	Talk Session X <i>Communication II</i>	<ol style="list-style-type: none"> 1. Chiara Gambi - Making oneself predictable in linguistic interactions 2. Lauren V. Hadley - A multimodal investigation of noisy conversations: Movement, gaze, and speech strategies when communication becomes difficult 3. Etienne Burdet - Haptic communication in a collective
10.30 – 11.15	Poster Session III Morning + Coffee Break	
11.15 – 12.45	Talk Session XI <i>Music</i>	<ol style="list-style-type: none"> 1. Giacomo Novembre - Empathic perspective taking promotes interpersonal coordination through music 2. Ashley Walton - Analyzing skillful adaptivity in musical duos 3. Sebastian Ruiz - Non-experts jointly singing synchronises heart rate variability 4. Peter Keller - Using background music to facilitate intimate rhythmic joint action
12.45 – 14.00	Lunch	
14.00 – 15.45	Talk Session XII <i>Human-Robot Interaction</i>	<ol style="list-style-type: none"> 1. Francesca Ciardo - Do humans attune with an erring robot? 2. Jairo Perez-Osorio - Action expectations modulate participants' attentional focus during joint action with the humanoid robot iCub 3. Alessia Vignolo - A robot partner's kinematic effort elicits a sense of commitment in joint action 4. Mahdi Khoramshahi - Intention recognition using state-dependent dynamical system in physical human-robot joint action 5. Lillian Rigoli - Training artificial agents via a network of multiple human players for robust human-machine interaction
15.45 – 16.30	Poster Session III Afternoon + Coffee Break	
16.30 – 18.10	Talk Session XIII <i>Thinking and Moving Together</i>	<ol style="list-style-type: none"> 1. Jennifer Misyak - Joint action in driving: A virtual bargaining approach 2. Georgina Török - Joint action planning: Minimizing the aggregate individual costs of co-actors 3. Nathan C. Foster - Combined lower-level and top-down sensorimotor processing underpins motor contagion in Autism Spectrum Disorder 4. Kristian Tylén - Cognitive flexibility, diversity and collective problem solving 5. Lior Noy - A computational paradigm for studying dyadic creative exploration
20.30	Social Dinner @Mentelocale bar bistrot – via Garibaldi, 18 - Genoa	

Saturday 13th July

10.00 - 11.45	Talk Session XIV <i>Evolution and Cooperation</i>	<ol style="list-style-type: none"> 1. Anika Fiebich - Minimal cooperation 2. Orit Nafcha - What can fish teach us about the evolution of pro-social behavior? 3. Pavel Voinov - How chimpanzees (Pan Troglodytes) use communication to sustain coordination in joint action 4. Mathieu Charbonneau - Scaling interactions up and down: For an integrated view of joint action research and cultural evolutionary studies 5. James Strachan - Active cultural transmission: Exploring the role of pedagogy in transmission and learning
11.45 – 12.15	Coffee Break	
12.15 – 13.15	Talk Session XV <i>Joint Attention</i>	<ol style="list-style-type: none"> 1. Tim Welsh - "I get your point": Gaze and finger pointing cues of other people activate different processing channels 2. Arianna Schiano Lomoriello - Joint attention amplifies the processing of emotional faces 3. Daniel C. Richardson - Social offloading: How working together can remove cognitive interference
Final Remarks		

Poster Session I - 10th July

Alessandro Dell'Anna	Just hock it! Markers of an expressive joint action
Anat Dahan	Social motor synchronization and the dopaminergic system
Artur Czeszumski	The social situation affects how we process feedback about our actions
Basil Wahn	Dyadic and triadic search: Benefits, costs, and predictors of group performance
Chen Zheng	Coordinating joint action in a real-life task
Chia-huei Tseng	Interpersonal implicit communication on Japanese MA in joint improvisation
Davide Crivelli	Enhancing self-awareness and self-regulation to improve individual and collective joint-action in sports: preliminary findings from a two-step study
Davide Quarona	Collective goals in joint actions are embedded in movement kinematics
Eugenio Scaliti	Intention is in the action: reach-to-grasp kinematics primes the intent towards an object
Fabrizia Auletta	Comparing different approaches to solve herding tasks in multiagent systems
Giulia Fronda	Joint action in gratitude and cooperation affect inter-brain connectivity for EEG
Gray Atherton	From them to us: Actual and mentally simulated coordinated walking's effects on implicit and explicit attitudes
Hannah M. Douglas	Dynamic deceit: Using multidimensional recurrence quantification analysis to detect deception
Hila Gvirts	Inter-brain neural synchrony and joint action
Inbar Zvia Marton-Alper	Social alignment in Autism Spectrum Disorder
Jack D. Moore	You win, we win: Agency and outcomes in a social context

Kristian Tylén	'This' and 'that' back in social context: Modulations of personal space in linguistic interaction
Lauren V. Hadley	Are predictions of musical and conversational partners dependent on simulation of their production style?
Leonardo Lancia	The joint perception and categorization of speech sounds: A pilot study
Luca Pascolini	Binding words: Executed and observed vocal actions induce an implicit sense of agency
Lucia Angelino	What is special about joint improvised action?
Ludovic Marin	Can the use of robots be relevant for enhancing social interaction of patients with social deficits?
Luigi F. Cuturi	Primary schoolers' response to a multisensory serious game on Cartesian plane coordinates in VR
Maria Lombardi	AI driven-artificial avatars in human motor coordination tasks
Merryn D. Constable	There is no 'u' in team: We-prioritisation does not extend to individual group members.
Miao Cheng	Unique neural correlates of team flow in a dual-player music game
Michael Kimmel	Complexity regulation in interaction
Ouriel Grynszpan	The Social Simon Effect in the tactile sensory modality
Paul Tobin	Using nonverbal behaviours to decode hidden messages in social interaction
Pieter-Jan Maes	The benefit of physical coupling for spontaneous synchronization in joint musical interactions; a musical version of Christiaan Huygens' pendulum clocks (1665)

Poster Session II - 11th July

Akifumi Kijima	Midfielders' symmetrical joint action in a rearranged four-on-two ball passing situation
Alexander Green	Prosocial effects of coordination - What, how and why?
Alexis Deighton MacIntyre	The Flow of language: Beat-based timing enhances synchronisation of speech and speech breathing in a joint speaking task
Ana Pesquita	SoMotion library: Biological motion stimuli for social interaction research
Angela Ciaramidaro	Interbrain connectivity during joint action: An EEG-hyperscanning study
Angelica Kaufmann	Wild acts
Antonietta Chaliou	Influence of sub-clinical psychopathic traits on interpersonal dynamics during joint activity
Arianna Curioni	Engagement in social interactions: Do interactive gestures constitute social affordances?
Aurélie Clodic	Commitments in Human-Robot Interaction
Barbora Siposova	Children's Sense of Commitment to a partner who has invested in a joint action
Caterina Petrone	Effects of cognitive abilities and intonation on inter-speaker coordination: Evidence from eye movements and speech latencies
Francesca Bonalumi	Why did you break a commitment? Three-year-olds' sensitivity to appropriate motives to defect a joint commitment
Hao Lucy Liu	Children's understanding of common ignorance in coordinated action
Hila Gvirts	Neurobiological basis of interpersonal synchrony

Inbal Ravreby	The chemistry of social chemistry
Kathleen Belhassein	From children to robots: How the parallel with developmental psychology can improve human-robot joint activities
Kohei Miyata	Two brains resonate with each other for sharing action in imitative interaction: A hyper-scanning fMRI study
Liam Cross	Moving together or meaning to: Intentional and incidental coordination's effects on memory and imitation.
Lise Aubin	Socially assistive robots for physical activity engagement in schizophrenia
Ludovic Marin	Investigating the correlation between spontaneous interpersonal synchrony and empathic ability
Margaret Catherine Macpherson	Social interaction as a complex dynamical system: Evaluating the interplay between sub-clinical levels of mental health symptoms and coordination dynamics
Melanie Y. Lam	Are interactive sport athletes more inclined to co-represent than coactive sport athletes? The influence of cohesion in the joint Simon task
Melissa Reddy	The impact of coordinated movement and ostensive cues on young children's commitment to joint action
Michael Kimmel	Modes of improvisational co-creation - From individual to distributed creativity sources
Michela Balconi	Cooperative leadership in hyperscanning. Brain and body synchronization for professional interactions
Monica Simone	Supporting the co-participant's mobility with linguistic resources: the case of guided climbing sessions
Natalie Kohler	Neural bases of joint action in piano-duos: An fMRI study
Nicolas A. Tamm Garetto	An immersive paradigm to study reciprocal joint actions

Nirit Bauminger-Zviely	The link between coordinated joint action and common ground in ASD
Novella Pretti	Readout of kinematic information in autism experts
Patrick Nalepka	The universality of effective shepherding solutions in the human group control of dynamically changing contexts
Roser Cañigüeral	Being watched modulates eye gaze time-course of typical and autistic individuals during conversation
Silvia Monacò	Joint gestures enhance visual statistical learning in 12-month-old infants
Veronica Ramenzoni	Development of body perception; distortions in the perception of self and others during childhood
Veronica Romero	Communication dynamics in adolescents with Autism Spectrum Disorder

Poster Session III - 12th July

- Alexandre Coste** Unravelling the behavioural plasticity in spontaneous dyadic interactions
- Andrew Tucker** Communication, Co-presence, and Distraction in Autonomous Vehicles
- Anna Zamm** Can two agents learn to become one?: Temporal signatures of musical joint action learning
- Atsuko Tominaga** The Sound of teaching music: Experts' sound modulation for novices
- Auriel Washburn** Effects of expectation framing on trust following robot errors in proximate Human-Robot Interaction
- Benjamin P. Crossey** Together as two: The affiliative effects of alignment are present for certain non-synchronous interpersonal movement types
- Cecilia Roselli** Vicarious sense of agency in Human-Robot Interaction
- Chiara Verga** Motor predictions in the aging brain: Neurofunctional evidence
- Chifumi Sakata** Does attention spill over onto the co-actor's attentional objects during joint contextual cueing task?
- Cristina Iani** The role of the co-actor's response reachability in the joint Simon effect
- Dimitrios Kourtis** On the effect of spatial proximity in joint action planning: An EEG investigation
- Divya Bhatia** Your actions are my actions: An eye-movement study on the joint effects of pointing in visuospatial working memory
- Dobromir Dotov** Does group performance beyond the dyad ($N > 2$) facilitate anticipatory synchronization in the drumming circle?
- Dóra Fogd** Spontaneous updating of other agents' mental states on the basis of unexpected actions

Elisa Dolfini	Different processes of concurrent motor inhibition are active during joint action: Evidence from TMS study
Felix J. Götz	Adaption of a bug-killing paradigm for the study of obedience to authority
Francesca Bonalumi	Others' opportunity costs enhance one's sense of commitment
Giusy Cirillo	Adaptive prediction in the joint production of speech
Gregory Mills	Procedural coordination in joint activities: Convergence via complementarity
Gualtiero Volpe	The Multi-Event-Class Synchronisation (MECS) algorithm
Jennifer Ang	Distributing tasks during joint action: The role of heuristics and mentalizing
Justin Christensen	Experiences of joint agency and individual control in musical duetting
Luke McEllin	More power to you: Are we more committed to co-actors who are adaptive?
Malgorzata Kasprzyk	Gaze contingencies in joint attention as social reward that drives motor learning
Marcell Székely	The perception of a partner's effort boosts cognitive control to sustain commitment in joint action
Marco Soriano	The role of movement kinematics in neural chain selection during action observation
Martin Clayton	Interpersonal musical entrainment and joint action
Martin Dockendorff	Coordinating actions through communicative turn-taking
Matt Chennells	Ask (not) and you shall receive: explicit commitments influence an agent's sense of commitment in a joint action
Michael Koller	Rethinking Human-Robot joint attention: A framework for robotic gaze behavior

Paula Fitzpatrick	Joint action development: Evaluating relationships across developmental domains and comparing developmental changes in children with and without autism
Riley Mayr	How much for joint action? Assessing the cost of moving together
Sara D'Amario	Leadership in singing ensemble performances: A longitudinal study of auditory cues and verbal debates
Sarah Boukarras	Modulation of motor performance during human-avatar interaction by midfrontal Theta transcranial alternating current stimulation
Sierra Corbin	What Fitts: Asymmetrical task demands influence joint action outcomes
Vjerran Keric	Co-representation of effort?
Whitney Tabor	Sliders and bees: How coordinating groups escape fraught states to achieve successful self-organization