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
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<td>11.30 - 12.15</td>
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<td>12.15 - 13.15</td>
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<td>19.00 – 20.00</td>
<td>Welcome Drink @Santa Maria di Castello cloister</td>
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### Talk Session I \*Prediction and Planning*

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. Lelonkiewicz** - 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

### Poster Session I Morning + Coffee Break

### Talk Session II \*Representing Others*

1. **Basil Wahn** - Performing a task jointly enhances the sound-induced flash illusion
2. **Roser Cañigueral** - Using fNIRS hyperscanning to study dyadic interactions: the case of reputation management
3. **Morgan Beaurenaut** - Action co-representation under threat

### Lunch

### Talk Session III \*Learning*

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 Sanguineti** - Adaptivity in the development of collaborative strategies
5. **Simily Sabu** - How does a partner’s motor variability affect joint action?

### Break

### Talk Session IV \*Perspective Taking and Mentalizing*

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

### Poster Session I Afternoon + Coffee Break

### Talk Session V \*Improvisation*

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
### Thursday 11th July

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<tr>
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| 9.45 - 10.45| Talk Session VI                     | 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 |                                                                       |
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                   | 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                     | 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 |
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| 9.30 - 10.30 | Talk Session X  
*Communication II* | 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  
*Music* | 1. Giacomo Novembre - Empathic perspective taking promotes interpersonal coordination through music  
2. Pieter-Jan Maes - 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  
*Human-Robot Interaction* | 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  
*Thinking and Moving Together* | 1. Georgina Török - Joint action planning: Minimizing the aggregate individual costs of co-actors  
2. Nathan C. Foster - Combined lower-level and top-down sensorimotor processing underpins motor contagion in Autism Spectrum Disorder  
3. Kristian Tylén - Cognitive flexibility, diversity and collective problem solving  
4. Lior Noy - A computational paradigm for studying dyadic creative exploration |
| 20.30 | Social Dinner @Mentelocale bar bistrot – via Garibaldi, 18 - Genoa |
## Saturday 13th July

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| 10.00 – 11.45 | Talk Session XIV  
*Evolution and Cooperation* | 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  
*Joint Attention* | 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

**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**
What guides us to neurally and behaviorally align with anyone specific? A neurobiological model based on fNIRS hyperscanning studies

**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)
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<td><strong>Alexander Green</strong></td>
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<td><strong>Alexis Deighton MacIntyre</strong></td>
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<td><strong>Angela Ciaramidaro</strong></td>
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<td><strong>Angelica Kaufmann</strong></td>
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<td><strong>Antonietta Chaliou</strong></td>
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<td><strong>Arianna Curioni</strong></td>
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<td><strong>Aurélie Clodic</strong></td>
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<td><strong>Barbora Siposova</strong></td>
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<td><strong>Caterina Petrone</strong></td>
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<td><strong>Francesca Bonalumi</strong></td>
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<td><strong>Hao Lucy Liu</strong></td>
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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 Cañigueral  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
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
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<td>Joint action development: Evaluating relationships across developmental domains and comparing developmental changes in children with and without autism</td>
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<td>Riley Mayr</td>
<td>How much for joint action? Assessing the cost of moving together</td>
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<td>Sara D'Amario</td>
<td>Leadership in singing ensemble performances: A longitudinal study of auditory cues and verbal debates</td>
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<td>Sarah Boukarras</td>
<td>Modulation of motor performance during human-avatar interaction by midfrontal Theta transcranial alternating current stimulation</td>
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<td>Sierra Corbin</td>
<td>What Fitts: Asymmetrical task demands influence joint action outcomes</td>
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<td>Vjeran Keric</td>
<td>Co-representation of effort?</td>
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<td>Whitney Tabor</td>
<td>Sliders and bees: How coordinating groups escape fraught states to achieve successful self-organization</td>
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