

ICSC 2021

Cognition and Action in a Plurality of Spaces

Rome, 13-17 September 2021

Detailed Conference Program

(as of September 7, 2021)

Monday, September 13

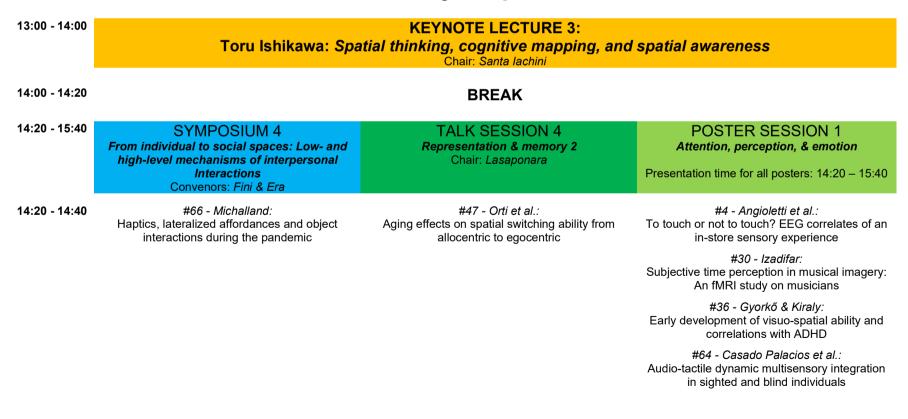


14:20 - 15:40	SYMPOSIUM 1 Behaviors and collective spatial representations in interactive situations Convenors: Guelton & Quesnot	SYMPOSIUM 2 Navigation and environment representation: Personality and individual differences Convenors: Meneghetti & Pazzaglia	TALK SESSION 1 Language & gesture 1 Chair: Ansah
14:20 - 14:40	#90 - Bunel:	#176 - Saxon et al.:	#139 - Kwarteng & Ansah:
	Construction of a geographic database for	Individual differences in spatial memory for a	Spatial cognition in L2: Prepositional use
	analysis of collective mental maps	large-scale virtual environment	among Akan-English bilinguals
14:40 - 15.00	#75 - <i>Guelton:</i>	#28 - van der Ham:	#144 - Yin & Li:
	Analytical means of spatial representation	The impact of stereotypes and self-assessment on	Syllable discrimination based on voice onset
	resulting from collective interactions	navigation performance	time modulates McGurk effect
15:00 - 15:20	#179 - Quesnot:	#32 - <i>Miola et al.</i> :	#155 - Duroisin & Mengue-Topio:
	Impact of social interactions on the acquisition of	Spatial learning and gender: Cognitive,	Evolution of spatial decentration and language
	spatial knowledge	motivational, and social factors	comprehension among young children
15:20 - 15:40	#118 - Pasala:	#101- He et al.:	<i>#183 - Sun.:</i>
	Panorama and vista of street contribute	Does GPS use impair navigation skills? Insights	Time as space metaphors in Chinese sign
	perceptual salience in collective maps	from a cohort analysis	Ianguage
15:40 - 16:00		BREAK	
16:00 - 17:00	KEYNOTE LECTURE 2: Barry Smith: Making spaces: The natural, cultural, cognitive and social niches of human activity Chair: Barbara Tversky		
17:00 - 17:20		BREAK	
17:20 - 19:20	SYMPOSIUM 3	TALK SESSION 2	TALK SESSION 3
	Cognition and Action in Virtual Spaces	<i>Representation & memory 1</i>	Time & number 1
	Convenors: Antonucci & Iosa	Chair: <i>Bucciarelli</i>	Chair: Skov-Petersen
17:20 - 17:40	<i>#208 - Tieri:</i>	#15 - Ianì et al.:	#72 - Skov-Petersen:
	Virtual bodies in virtual spaces	Spatial reasoning benefits from motor imagery	On temporal vs. spatial scale
17:40 - 18.00	#205 - <i>Roduta et al.:</i>	#89 - Soyer:	#113 - Zhou & Bao:
	The impact of virtual space in a simulation to	Attention-based integration of visual context in	Duration perception in portraits with different
	enhance student performance	place representations	perspectives
18:00 - 18:20	#203 - <i>Tosoni et al.:</i>	#106 - <i>Tinella et al.</i> :	#114 - Wang et al.:
	Macro-affordance: Extrapersonal distance and	Spatial skills mediate cognitive efficiency and	Sequential effect in duration reproduction is
	locomotion in virtual environments	fitness-to-drive	from both perception and response

18:20 - 18:40	#207 - Maselli et al.:	#145 - Chamberlain et al.:	#123 - Zhao et al.:
	Catching virtual throws: Assessing predictive	New metrics and analytical tools for measuring	Subjective waiting time: Better use progress
	skills in sensorimotor interactions	spatial memory	bars or rings?
18:40 - 19:00	#198 - <i>losa et al.:</i>	#184 - Marre et al.:	#149 - Zhang & Wang:
	The Michelangelo effect: Art modifies spatial	Situated cognition, mental imagery and memory	Subjective time dilation in space: Challenging
	trajectories on virtual canvases	strategies	current theories
19:00 - 19:20			<i>#153 - Mu et al.:</i> Transition zone: The influence of pause

Tuesday, September 14

duration in temporal reproduction



14:40 - 15.00	#147 - Fusaro & Lisi: The influence of sexual orientation on nonverbal interactions	#62 - Sbordone, et al.: The role of spatio-temporal components in egocentric and allocentric encoding	#74 - Oztok & Gulhan: Effects of complexity and naturalness of pocket park designs on user preference
			#77 - <i>Rapuano et al.:</i> Spaces for relax, spaces for recharge: Effect of urban spaces on people's mood
			#79 - <i>lachini et al.:</i> The influence of sounds on individuals' mood
			#129 - Tong & Fan: The eccentricity effect on endogenous attention
15:00 - 15:20	<i>#124 - Bardi:</i> From Theory of Mind to social interaction: The case of implicit processes	#126 - Edgar et al.: Do you see what I see? Exploring differing awareness of the same situation	#158 - Mauti: The relationship between allocentric neglect and extinction in stroke patients
			#169 Salsano et al.: Probing the spatial bias in hemispatial neglect using a landmark task and fMRI
			#182 - Maezawa & Kawahara: Improved ability of object detection using echolocation by a repetitive task
15:20 - 15:40	#159 - Bolis: 'I interact therefore I am' - Human becoming in and through social interaction	#161 - Mengue-Topio & Duroisin: Spatial perspective taking in children: The effect of oblique orientation	#186 - Somma et al.: Pseudoneglect in children and young adults evaluated by means of the E-BTT
			#193 - Chiarella et al.: Aesthetic appreciation in art context. Human vs. Al authorship
			#202 - Szewczyk et al.: The effect of spatio-temporal sequential learning on covert selective attention
15:40 - 16:00		BREAK	
16:00 - 17:00	Anthony	KEYNOTE LECTURE 4: / Chemero: Skill and the perception of Chair: Thomas Hünefeldt	f space

BREAK

17:20 - 19:20	SYMPOSIUM 5 Conceptualizing musical features through spatial cognition Convenor: Besada	TALK SESSION 5 Body & action 1 Chair: Farné	TALK SESSION 6 Attention & perception 1 Chair: Santangelo
17:20 - 17:40	#99 - Andreatta et al.: Conceptualizing chord relationships via spatial visualization within the Tonnetz	#69 - Buck & Bodenheimer: Peripersonal space in virtual reality	#14 - Peviani et al.: Training-induced contraction of visual space is retinotopic, not spatiotopic
17:40 - 18.00	#48 - Besada & Vidal Badía:	#96 - Chakraborty et al.:	#68 - Szubielska et al.:
	Confronting composers' visual imagery with	Using mobile augmented reality for spatial	Adults' spatial scaling across different
	listeners' experience of music	cognition	perceptual conditions
18:00 - 18:20	#60 - Pagán Cánovas & Besada:	#100 - Riecke et al.:	#107 - Lafitte et al.:
	Contemporary composers twisting timelines: A	Simultaneous locomotion and interaction in VR:	Left spatial neglect encompasses impaired
	cognitive approach	Walking > Leaning > Controller	verticality perception
18:20 - 18:40	#91 - Bisesi:	#151 - Riecke et al.:	#152 - Kostov:
	Modeling perceived distance among music	HyperJump: Merging teleporting and continuous	Contrast polarity as a factor in an attentional
	collections: A machine-learning approach	VR locomotion into one paradigm	account of spatial compatibility
18:40 - 19:00	#93 - <i>Legrain et al.:</i>	#197 - Chumaira et al.:	#154 - Ganczarek et al.:
	Spatial mental anchorpoints during identification	Review on techniques to measure spatial	Does linear perspective accurately depict how
	of notes' pitch by musicians	affordances in VR environment	we perceive distance?
19:00 - 19:20		#210 - Valzolgher et al.: Reaching to sounds to improve spatial hearing: A visual virtual reality approach	#177 - Contemori et al.: An online tool for the detection of pathological spatial asymmetries

Wednesday, September 15

13:00 - 14:00

KEYNOTE LECTURE 5:

Kate Jeffery: How environmental movement constraints shape the neural code for space Chair: Antonino Raffone

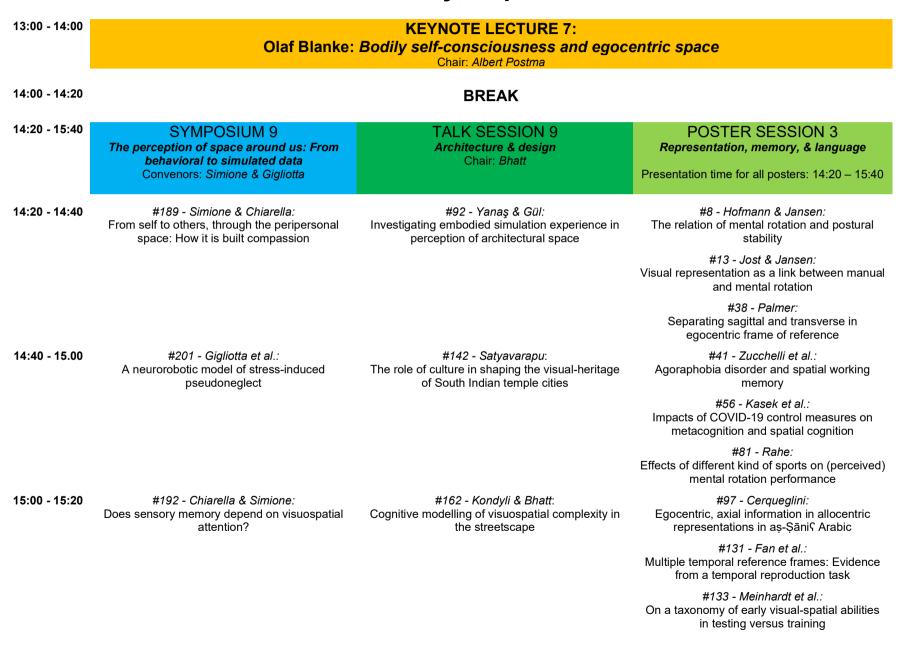
14:00 - 14:20

BREAK

14:20 - 15:40	SYMPOSIUM 6 The body as the link between mind and space: A philosophical and neuroscientific discourse to understand the role of architecture in cognitive and emotional processing Convenor: Vecchiato	SYMPOSIUM 7 Cognitive maps for abstract information: From working memory to long-term memory Convenors: Fias & van Dijck	POSTER SESSION 2 Action, motion, & navigation Presentation time for all posters: 14:20 – 15:40
14:20 - 14:40	#17 - <i>Papale:</i> A walk in the visual neuroscience: Feedbacks and lessons learned	#39 - C <i>ristoforetti et al.:</i> Mapping serial order in working memory onto mental space	#9 - Fernandez-Mendez et al.: Role of visuospatial and motor abilities for predicting geometry in 2-3 graders
			#11 - Fronda et al.: Cognitive processing during a green hotel exploration: EEG evidence
			#22 - <i>Meneghetti et al.:</i> Orienteering practice: How does it relate to visuospatial individual factors?
			#34 - Argiuolo et al.: Analysis of spatial behaviour by the means of Euclidean distances
14:40 - 15.00	#19 - <i>Robinson:</i> Architecture as situated poetics	#82 - Bottini: Knowledge across reference frames: Cognitive maps and image spaces	#50 - Ferrara et al.: Action and defence function of the reaching space: Effect of humans and objects
			#55 - Cassioli et al.: A co-bot quality cycle: Neuroscientific view on fatigue and executive functions
			#63 - <i>Dutriaux et al.:</i> Neural correlates of spatial reorientation and egocentric localization in memory
15:00 - 15:20	#6 - Djebbara:		#67 - Michalland et al.:
	Neurophenomenology for architecture: An embodied and enactive inference approach		Movement and haptic anticipation: Clues to facilitate human-robot interaction?
			#108 - Diaine et al.: How to measure writing and drawing tilts after stroke: Methodological approach
			#141 - Chazelle et al.: Do people see themselves as fatter when an artificial intelligence says so?
			#171 - Garcia-Sterling: Applying a healing process to hospital wayfinding systems during COVID-19

15:20 - 15:40	#18 - Presti et al.: Linking architecture and emotions by the recognition of virtual body expressions	#40 - <i>Rinaldi:</i> Spatial representations recovered from language	#187 - <i>Dubois et al.:</i> How do our demographics shape our trajectories?
			#188 - Luyat et al.: A decrease of the tool effect in older adults
			#195 - Petrarca et al.: Updating SOT with a Dynamic Oriented Integrated Rehabilitative (DORIS) system
15:40 - 16:00		BREAK	
16:00 - 17:00		KEYNOTE LECTURE 6: Alexander Stahn:	
	Brains in space – Effects of	f extreme environments on brain plast Chair: Wolfango Plastino	icity and spatial cognition
17:00 - 17:20			
17.00 - 17.20		BREAK	
17:20 - 19:20	SYMPOSIUM 8 Time windows in cognitive processing Convenors: Bao & Poppel	TALK SESSION 7 Body & action 2 Chair: Hirtle	TALK SESSION 8 Orientation & wayfinding 1 Chair: Minear
17:20 - 17:40	#119 - Liu et al.: Distinct timing mechanisms in static and dynamic visual rhythm synchronization	#29 - Esposito et al.: Audiomotor contributions to the audiospatial calibration of the horizontal plane	#5 - Nenna et al.: Cognitive-motor multitasking during outdoor spatial navigation in AR
17:40 - 18.00	#137 - Chen et al.: The 3 second time window in birdsongs: Beyond defining a territory	#45 - Dupin: Effect of age and space distortions on spatial body representation	#51 - Grison et al.: Challenging automated landmarks-based route-guidance with field testing
18:00 - 18:20	#134 - Wang & Shi: Two distinct representational spaces of duration in sensory and motor timing	#58 - Miklashevsky & Fischer: Motor simulation in sentence-picture verification: Beyond Ostarek et al. (2019)	#70 - Minear & Sensibaugh: Individual differences in navigating a threatening virtual environment
18:20 - 18:40	#102 - Zhang & Lin: Holistic processing in temporal order perception of tones	#110 - Lafitte et al.: What are the determinants of tilted writing and drawing after stroke?	#132 - Rasse et al.: Emotional landmarks and spatial learning in virtual environmental space
18:40 - 19:00	#112 - Zeng: A potential mechanism of simultaneity perception	#173 - Vitali et al.: Is non-nutritive sucking a tool for blind infants to map space? An EEG study	#174 - Adhikari et al.: Embodied VR flying improves spatial orientation while reducing cybersickness
19:00 - 19:20	#167 - Cai & Lin: Multisensory temporal order judgements: More salient effect of spatial attention	<i>#214 - Tversky:</i> Mind in motion: How action shapes thought	#211 - Corrias et al.: Virtual Kitchen 2.0: Comparing different tutorials approaches in VR training

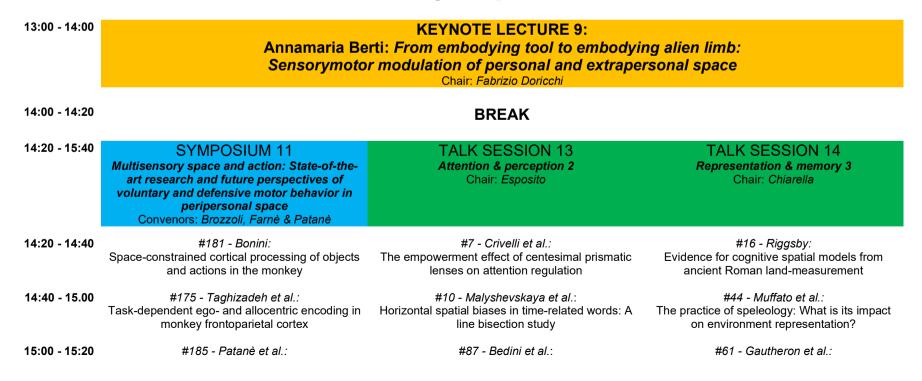
Thursday, September 16



15:20 - 15:40	#199 - Ognibene, et al.: From learning to search to finding what others miss: Developing a theory of mind	#170 - Emo et al.: Linking the design of university learning spaces to students' experience	 #157 - Šķilters & Zariņa: Meaning of a shape as a result of previous knowledge and axial rotation #178 - Hartmann et al.: Horizontal and vertical spatial associations of serial order in working memory #209 - Nair et al.: Event segmentation through the lens of multimodal interaction 	
15:40 - 16:00		BREAK		
16:00 - 17:00	KEYNOTE LECTURE 8: Anjan Chatterjee: The neuroaesthetics of architectural spaces Chair: Joanna Ganczarek			
17:00 - 17:20		BREAK		
17:20 - 18:20	TALK SESSION 10 <i>Time & number 2</i> Chair: <i>Myachikov</i>	TALK SESSION 11 Body & action 3 Chair: Šķilters	TALK SESSION 12 Orientation & wayfinding 2 Chair: Nitsche	
17:20 - 17:40	#53 - Cantarella & Silvia Bisiacchi Temporal perception: How does multisensory integration occur?	#33 - <i>Magenes et al.:</i> From action to spatial cognition: The rehabilitation program based on SaM method	#59 - <i>Kocabiyik & Kan-Kilic:</i> City exploration through the eyes of the visually impaired	
17:40 - 18.00	#84 - Yang: Mental spaces in random number generation	#116 - Montani et al.: Action performance in shaping conscious behavior	#76 - Zanchi et al.: Idiosyncratic benefits in multisensory spatial navigation	
18:00 - 18:20	#127 - Lhuillier & Gyselinck: Speed knowledge shrink geographical representations: Space-time discontinuity	#128 - Josa et al.: Playing immersive videogames leads to estimate indoor 3D space as more accessible	#146 - Fink & Giudice: Vibrotactile maps for promoting spatial understanding in autonomous vehicles	

	SYMPOSIUM 10 Spatial attention performance assessed by the ANT on children and young adults: Its association with age, intelligence, and impulsiveness Convenors: Saracini & Lucero	TALK SESSION 11 (continued)	TALK SESSION 12 (continued)
18:20 - 18:40	#140 - Casagrande et al.:	#163 - Zariņa et al.:	#160 - Nitsche:
	Assessing the attentional networks in children: A	Impact of symmetry type and axial direction on	Sonic environments: Localization of sounds
	child version of the ANTI	interface layout preference	and re-localization of their hearer
18:40 - 19:00	#148 - Lucero et al.:	#172 - <i>Ranzini et al.:</i>	#191 - Mastrodonato & Camarda:
	wSMI, Intelligence, and attentional performance	Influence of hand action on the processing of	The role of orientation within complex historical
	on children: Preliminary results	symbolic numbers	urban contexts in Italy
19:00 - 19:20	#130 - Saracini et al.:	#200 – Calafiore et al.:	#204 - Fragueiro et al.:
	Impulsiveness influence on attentional networks	Humans select informative views efficiently to	Travel in the physical and mental spaces of
	in young adults	recognise actions	navigation and memory

Friday, September 17



	Action-dependent modulations of multisensory perception in peripersonal space	The anatomical pathways underlying spatial versus non-spatial attention	Paradigm constraints on moral decision space: A model fit to mouse-tracking data
15:20 - 15:40	#156 - Zanini et al.: Associative fear learning in hand-centered coordinates	#117 - Luo et al.: The effect of spatial attention on temporal order perception in the visual field	#196 - Harding: Spatial ability, scientific reasoning, and graphing skills in kinematics
15:40 - 16:00		BREAK	
16:00 - 17:40	SYMPOSIUM 12 The space around the body and its relationship with sensorimotor and social factors: Current questions (and some answers) for future directions Convenors: Farnè, Hadj-Bouziane, Iachini & Ruggiero	SYMPOSIUM 13 The development of a multisensory sense of space Convenors: Bollini & Gori	SYMPOSIUM 14 On the modelling of landmarks Convenors: Nuhn & Timpf
16:00 - 16:20	#71 - Hadj-Bouziane & Dureux: Behavioral, physiological and neural signatures of PPS in social contexts	<i>#54 - Gori:</i> The multisensory child development and rehabilitative technology	#43 - Nuhn & Timpf: Modelling of landmark dimensions
16:20 - 16.40	#57 - Candini et al.: Physiological correlates of social space in childhood autism spectrum disorders	#49 - Senna et al.: Spatial recalibration in cataract-treated individuals	#42 - Albrecht & von Stülpnagel: Effects of landmark position and approach perspective on route retrieval
16:40 - 17:00	#180 - Coello & Cartaud: The role of peripersonal space in social interactions	#31 - Martolini et al.: Development of spatial coding skills in visually impaired and blind children	#52 - Hamburger: Understanding landmark-based wayfinding: On the search of core factors
17:00 - 17:20	#150 - Patanè et al.: Brain activations for objects near two persons' hands after motor interactions	#120 - Orioli et al.: Visual-tactile expectations and peripersonal space representations in infancy	#98 - Schwering & Krukar: A landmark's role in spatial learning depends on its spatial extent
17:20 - 17:40	#65 - Ruggiero & lachini: Defensive function towards social-emotional stimuli approaching our bod	#46 - Valori & Farroni: Self-location in immersive virtual spaces: A developmental clinical perspective	
17:40 – 18:00	Conference closing: Open plenary discussion and comments by participants		
18:00		END OF THE CONFERENCE	