

## ICSC 2018 – Provisional Program (by June 23, 2018)

	Sept. 10			Sept. 11			Sept. 12			Sept. 13			Sept. 14		
	AULA 3	AULA 7	AULA 8	AULA 3	AULA 7	AULA 8	AULA 3	AULA 7	AULA 8	AULA 3	AULA 7	AULA 8	AULA 3	AULA 7	AULA 8
8:30 - 8:50	From 9:00 a.m.: <b>REGISTRATION</b>			SYMPOSIUM 16	SYMPOSIUM 6	TALKS 10	SYMPOSIUM 8	SYMPOSIUM 14	TALKS 7	SYMPOSIUM 1	SYMPOSIUM 9	SYMPOSIUM 12	SYMPOSIUM 10	SYMPOSIUM 4	TALKS 9
8:50 - 9:10															
9:10 - 9:30				Coffee Break			Coffee Break			Coffee Break			Coffee Break		
9:30 - 9:50				Coffee Break			Coffee Break			Coffee Break			Coffee Break		
10:10 - 10:40				Coffee Break			Coffee Break			Coffee Break			Coffee Break		
10:40 - 11:00				Coffee Break			Coffee Break			Coffee Break			Coffee Break		
11:00 - 11:20	SYMPOSIUM 16 (continued)			TALKS 2	TALKS 11	SYMPOSIUM 15	DOCUMENTARY FORD	TALKS 3	SYMPOSIUM 2	TALKS 5	TALKS 13	SYMPOSIUM 3	SYMPOSIUM 7	TALKS 4	
11:20 - 11:40	BOOK PRESENTATION: MICHEL DENIS														
11:40 - 12:00	BOOK PRESENTATION: MICHEL DENIS			Lunch Break			Lunch Break			Lunch Break			Lunch Break		
12:00 - 12:20	12:30 - INAUGURAL LUNCH			Lunch Break			Lunch Break			Lunch Break			Lunch Break		
12:20 - 12:40	14:00 - OPENING CEREMONY			Lunch Break			Lunch Break			Lunch Break			Lunch Break		
12:40 - 14:00	KEYNOTE 1			KEYNOTE 3			KEYNOTE 5			KEYNOTE 7			KEYNOTE 8		
14:00 - 14:30	KEYNOTE 2			KEYNOTE 4			KEYNOTE 6			KEYNOTE 7			KEYNOTE 8		
14:30 - 15:40	SYMPOSIUM 11	TALKS 1	TALKS 8	POSTERS 1	POSTERS 2	POSTERS 3	SYMPOSIUM 5	TALKS 12	TALKS 14	POSTERS 4	POSTERS 5	POSTERS 6	SYMPOSIUM 13	TALKS 6	DOCTORAL PRESENTATIONS
15:40 - 16:00															
16:00 - 16:20	Tea Break			Tea Break			Tea Break			Tea Break			CONFERENCE CLOSING		
16:20 - 16:40	Tea Break			Tea Break			Tea Break			Tea Break			CONFERENCE CLOSING		
16:40 - 17:00	Tea Break			Tea Break			Tea Break			Tea Break			CONFERENCE CLOSING		
17:00 - 17:30	KEYNOTE 2			KEYNOTE 4			KEYNOTE 6			KEYNOTE 7			KEYNOTE 8		
17:30 - 18:40	KEYNOTE 2			KEYNOTE 4			KEYNOTE 6			KEYNOTE 7			KEYNOTE 8		
										20:30 - SOCIAL DINNER					

### KEYNOTES

SESSION	SPEAKER	TITLE
KEYNOTE 1	Marisa Carrasco	N.N.
KEYNOTE 2	Michael Corballis	Space, Time and Language
KEYNOTE 3	Asifa Majid	N.N.
KEYNOTE 4	Pierre Dasen	Cross-cultural research on spatial concept development
KEYNOTE 5	Christoph Hoelscher	Spatial Cognition and Architecture – from Evidence to Design
KEYNOTE 6	Robert K. Logan	Visual and Acoustic Space in the Digital Age
KEYNOTE 7	John K. Tsotsos	Attention is More Important for Visual Cognition and Reasoning Than You Think
KEYNOTE 8	Alan Dix	Space, time and memory: tales from a long road

### SYMPOSIA

SESSION	CONVENOR(S)	TITLE
SYMPOSIUM 1	Bhatt	Minds, Movement, Moving Image (Part 1): On Spatial Cognition and the Built Environment
SYMPOSIUM 2	Bhatt	Minds. Movement. Moving Image (Part 2): On Visuo-Auditory Perception and the Moving Image
SYMPOSIUM 3	Dolins, Lindquist, & Chamberlain	Cross-Cultural, Cross-Modal and Cross-Species' Spatial Perception and Action in Virtual and Real Environments

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SYMPOSIUM 4	Doricchi, Fias	Spatial and non spatial representations of number magnitudes
SYMPOSIUM 5	Duffy, Sorby	Spatial Cognition in Engineering Problem Solving
SYMPOSIUM 6	Forbus, Gentner, Levine & Cohn	The Roles of Multimodality in Spatializing Reasoning and Learning
SYMPOSIUM 7	Fuchs, Trojan, Milde, Kilteni, Maselli and Tamè	The Body in Space
SYMPOSIUM 8	Ganczarek & Ruta	How do we make sense of space through its artistic representation? Space and embodiment in visual art
SYMPOSIUM 9	Iachini, Ruggiero	The nature of the space around the body: a comparison of real and virtual environments
SYMPOSIUM 10	Jansen & Quaiser-Pohl	Mental Rotation, Part 1: Developmental Aspects of Mental Rotation
SYMPOSIUM 11	Lasaponara, Casagrande, Doricchi	New issues in attentional control
SYMPOSIUM 12	Muffato, Meneghetti, & Wiener	Spatial representations: individual differences in aging
SYMPOSIUM 13	Quaiser-Pohl & Jansen	Correlates of Mental Rotation and Methodological Issues Part2
SYMPOSIUM 14	Reader	Beyond the video: naturalistic approaches to examining social motor behaviour
SYMPOSIUM 15	Rocca, Nölle, & Spranger	From fieldwork to modelling: Explaining the variability of linguistic spatial referencing systems
SYMPOSIUM 16	Smith, De Lillo	Individual differences in spatial components of search and foraging

### TALKS

SESSION	TITLE
TALKS 1	ARCHITECTURAL SPACE
TALKS 2	ATTENTION & PERCEPTION
TALKS 3	BODY & MOTION
TALKS 4	DEVELOPMENT, EDUCATION, & AGEING
TALKS 5	DISABILITY, REHABILITATION, & ASSISTANCE
TALKS 6	GENDER DIFFERENCES
TALKS 7	LANGUAGE & CULTURE
TALKS 8	MENTAL REPRESENTATION OF TIME
TALKS 9	MULTISENSORY INTEGRATION
TALKS 10	NEW MEDIA INTEGRATION
TALKS 11	ORIENTATION AND WAYFINDING
TALKS 12	SITUATED SPACE REPRESENTATION
TALKS 13	VIRTUAL REALITY
TALKS 14	VISUAL MEMORY

### POSTERS

SESSION	TITLE
POSTERS 1	ATTENTION, PERCEPTION, EMOTION 1
POSTERS 2	LANGUAGE, REPRESENTATION, IMAGERY 1
POSTERS 2	EMBODIMENT, MOTION, NAVIGATION 1
POSTERS 3	ATTENTION, PERCEPTION, EMOTION 2
POSTERS 4	LANGUAGE, REPRESENTATION, IMAGERY 2
POSTERS 5	EMBODIMENT, MOTION, NAVIGATION 2
POSTERS 6	

## ICSC 2018 – Provisional Program (by June 23, 2018)

### ALL CONTRIBUTIONS (by June 23, 2018)

#	AUTHOR(S)	TITLE	SESSION
3	Christine Beenhakker and Lucas Derks	Testing Depression in Awareness Space. A proposal, to evaluate whether a psychotherapeutic method based on spatial cognition and imagination therapy reduces moderate depression.	TALKS 5
19	Jing Li, Jing Zhou and Jingya Zhu	The Effect of Different Scene Information Types on Path Integration Efficiency	TALKS 13
20	Daniele Quercia	Sensory Mapping	SYMPOSIUM 3
21	Chiara Meneghetti, Elena Carbone, Enrico Toffalini, Antonio Di Maggio and Erika Borella	Mental rotation training in young and older adults: The role of practice and strategy	SYMPOSIUM 13
22	Lisa Polidoro, Alexandra Breen, Anne Kavounoudias, Marion Luyat and Michel Guerraz	Visual motion cues from a held tool contribute to the perception of one's arm movements	TALKS 9
23	Alexandra Kroiss, Florian Goller, Soonja Choi and Ulrich Ansorge	Is the pen moving to the cap or the cap moving to the pen? The role of language in event perception	POSTERS 2
24	Alexandra Georgescu and Antonia Hamilton	The Use of Virtual Reality to Study the Social Consequences of Behavioural Mimicry	SYMPOSIUM 14
25	Asya Natapov	Semantics of Urban Space	POSTERS 3
26	Eva Oesterlen and Katja Seitz-Stein	Visuospatial response formats in tablet-based verbal working memory tasks: Insights from developmental psychology	TALKS 14
27	Martina Röthlisberger and Andrea Frick	The role of stereo vision and 3D presentation on infants' mental object rotation	SYMPOSIUM 10
28	Valérie Gyselinck, Aurélie Dommès, Angélique Montuwy and Vanessa Ligonniere	Assisting navigation in older pedestrians: what suits better?	SYMPOSIUM 12
29	Pia Fricker	Immersive Spatial Exploration	TALKS 13
30	Jennifer Lehmann and Petra Jansen	Relationship between mental rotation and working memory - developmental aspects	SYMPOSIUM 10
31	Martina Rahe, Vera Ruthsatz and Claudia Quaiser-Pohl	Is the mental-rotation performance influenced by gender and orientation abilities?	POSTERS 5
32	Yingying Yang, Edward Merrill and Qi Wang	Children's Utilization of Response, Landmark, and Metric Strategies in Spatial Memory	TALKS 4
33	Kashef Zayed	Understanding the Relationship between Academic Performance, Mental Rotation, and Motor Abilities among Omani Children Aged 7 to 9 Years	SYMPOSIUM 10
34	Barbara Tversky	Cross-Cultural Differences in Visualizations	SYMPOSIUM 1
35	Chiara Meneghetti, Elizabeth Maria Doerr and Barbara Carretti	Dancing: A spatial activity that enhances visuospatial skills?	POSTERS 6
36	Claudia M. Quaiser-Pohl, Martina Rahe and Vera R. Ruthsatz	Do gender differences in mental rotation disappear when other objects than cube figures are used as stimuli?	SYMPOSIUM 13
37	Katarzyna Stoltmann and Susanne Fuchs	Perceivers change their perspective when an agent is introduced in a static situational context	POSTERS 2
38	Ju Hyun Lee	Multi-cultural design communication: cognition, design information, and spatial relationship	SYMPOSIUM 1

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40	Sonja Ehret, Carolin Schroeder and Roland Thomaschke	Seeing or hearing? – The influence of music and spatial surrounding on perceived atmosphere	POSTERS 1
41	Nicole Thomas, Raquel Green and Ellie Anilius	Does Ethnicity Influence Interpersonal Distance?	POSTERS 5
42	François Qesque	When the body thinks social: sensori-motor constraints modulate perspective-taking abilities	SYMPOSIUM 14
43	Qi Li	Selective filtering of task-irrelevant information in visual working memory	TALKS 14
44	Stefanie Pietsch and Petra Jansen	Mental rotation and laterality – Do right-handers always gain advantage over left-handers?	SYMPOSIUM 13
45	Marco Iosa, Gabriella Antonucci and Stefano Paolucci	Golden Gait: a spatio-temporal bridge from biomechanical to cultural constraints	TALKS 3
46	Laura María Fernández Méndez, María Rosa Elosúa and María José Contreras	When does it emerge the trainability of mental rotation in Preschool education?	POSTERS 2
47	Sudhir Kumar Pasala, Mehdi Khamassi and V. S. Chandrasekhar Pammi	Geometric features that describe reference frames in forming intuitive landmarks during spatial navigation	TALKS 11
48	Iain D. Gilchrist, Kate A. Longstaff and Bruce Hood	The Development of Executive Control in Large-Scale Search	SYMPOSIUM 16
49	Maëlle Tixier, Corinne Cian, Pierre-Alain Barraud and Stephane Rousset	Can postural control interfere with episodic memory?	POSTERS 3
50	Candice Francois, Nicolas Morgado, Martial Mermillod and Richard Palluel-Germain	Anticipation of body-scaled action is related by socio-affective resources	POSTERS 4
51	Kelda Manser-Smith, Matthew Longo and Luigi Tamè	Tactile mislocalisations on the fingers and toes	POSTERS 1
52	Thora Tenbrink	Linguistic spatial reference systems across everyday domains: How people talk about space in sailing, dancing, and horse riding	SYMPOSIUM 15
53	Luigi Tamè, Raffaele Tucciarelli, Renata Sadibolova, Marty Sereno and Matthew Longo	Neural correlates of distorted body representations underlying tactile distance perception	SYMPOSIUM 7
54	Leonardo Chelazzi	Plasticity of Spatial Priority Maps	SYMPOSIUM 11
55	Hiroyuki Muto and Kazunori Morikawa	Mental rotation of ears: Which type of transformation is elicited by left/right judgements of unmovable body parts?	POSTERS 5
56	Laura Piccardi	Age-effect on topographical memory	SYMPOSIUM 12
57	Laura Piccardi, Fiorella Giusberti, Francesca Pettograsso, Laura Lugli, Massimiliano Palmiero and Raffaella Nori	Web Search Navigation Strategies: The effect of age and intelligence	POSTERS 6
58	Christopher Hilton, Andrew Johnson and Jan Wiener	Aging and route learning: What is the role of sequence knowledge?	SYMPOSIUM 12
59	Ineke van der Ham, Michiel Claessen and Milan van der Kuil	Individual differences in navigation ability; impact of demographic factors and mental rotation ability	SYMPOSIUM 13
61	Kay O'Halloran	Multimodal Rhetoric in Online Media Communications	SYMPOSIUM 2

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62	Moran Bar-Hen-Schweiger and Avishai Henik	Mental Manipulation and Goal-Directed Behavior	POSTERS 2
63	Alex Hodgkiss, Andrew Tolmie, Michael Thomas and Emily Farran	Children's spatial ability relates to their scientific reasoning about sound propagation	TALKS 4
64	Deanna Anderlini and Guy Wallis	Upper limb recovery in aphasic patients after stroke: a theory.	TALKS 5
65	Yann Coello, Maria Francesca Gigliotti, François Quesque and Patricia Coelho	The social dimension of peripersonal space	SYMPOSIUM 9
67	Asli Ozyurek	What do the hands reveal about spatial and language and cognition: Insights from gesture and sign	SYMPOSIUM 3
68	Adèle Simon and Geoff Luck	PERCEIVED IMMERSION AND PREFERENCES BETWEEN BINAURAL AND STEREO MIXES OF MUSIC	TALKS 2
69	Kenneth Forbus	Connecting language to space via sketching	SYMPOSIUM 6
70	Francesco Sella and Roi Cohen Kadosh	The link between visuospatial abilities and mathematical abilities	SYMPOSIUM 4
71	Kaitlyn Haase, Raymond Perry and Nicholas Giudice	Immersive 3D Haptics for Navigating Virtual Space	POSTERS 3
72	Matthew Longo and Eleonora Vagnoni	Semantic Modulation of Time-to-Collision Judgments	SYMPOSIUM 9
73	Heleen Slagter and Dirk van Moorselaar	Facilitation and inhibition in the attentive brain	SYMPOSIUM 11
74	Boris Lucero and Chiara Saracini	Attentional Networks and Intellectual performance in children: preliminary evidence from ERPs	TALKS 4
75	Tom Foulsham	Eye movements in active search: from scenes to strategy	SYMPOSIUM 16
77	Erica Barhorst-Cates, Chiara Meneghetti and Sarah Creem-Regehr	Individual Differences in Navigation Style: Effects of Home Environment Structure	TALKS 10
78	Wim Fias, Jean-Philippe van Dijck and Elger Abrahamse	The temporary nature of number-space associations	SYMPOSIUM 4
80	Juan Sun and Qiang Zhang	How do Chinese speakers conceptualize time? Beyond the horizontal and vertical dimensions	TALKS 8
81	Lydia Kastner, Aiste Jusyte, Susana Ruiz Fernández and Peter Gerjets	The effects of digital drawing on social-emotional skills: a pilot study	POSTERS 4
82	Didem Kan-Kilic and Fehmi Dogan	Blind Persons Taking Photos	TALKS 5
83	Ascher Munion, Jeanine Stefanucci, Ericka Rovira, Peter Squire and Michael Hendricks	Gender Differences in Spatial Navigation: An Approach to Characterizing How We Wayfind	TALKS 6
84	Hrag Pailian and George Alvarez	Limits in Visual Working Memory Manipulation	TALKS 14
85	Muhannad Alomari, David Hogg and Anthony Cohn	Natural language learning and grounding for embodied robotic systems.	SYMPOSIUM 6
86	Jodene Fine and Kara Constantine	Gender difference in mental rotation in young children	SYMPOSIUM 10
87	Hengshan Li, Panagiotis Mavros, Arnout Sabbe, Tyler Thrash, Victor Schinazi and Christoph Hölscher	User judgments of perceived and traversed distances in a real shopping mall and a corresponding virtual model	TALKS 12
88	Veronica Muffato, Chris Hilton, Rossana De Beni and Jan Wiener	Age-related differences in the ability to recognize swapped positions of objects	SYMPOSIUM 12
89	Marina Wimmer and Patric Bach	Mental rotation disambiguates beliefs of other people	SYMPOSIUM 10

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90	Julia Frankenstein, Frederik Loy and Constantin Rothkopf	Street angle sensitivity in map reading	POSTERS 6
92	Elise Grison and Valérie Gyselinck	Route planning on a map: challenging the existence and interpretation of a southern preference.	TALKS 11
93	Xaver Fuchs and Tobias Heed	Active tactile search strategies improve localization of touch	SYMPOSIUM 7
94	Alastair D. Smith, Craig Scott and Amy L. Holloway	Inducing difference in search behaviour: Right parietal stimulation modulates efficiency but not learning	SYMPOSIUM 16
95	Francine Dolins, Matthias Allritz, Kenneth Schweller, Karline Janmaat, Charles Menzel and Josep Call	Where the Wild Things Are...and How They Get There: Bonobo, chimpanzee and human use of visual spatial information to efficiently navigate in virtual reality	SYMPOSIUM 3
96	Violeta Valkova and Armina Janyan	Is Good always Right? The Level of on-line Stability of Space-Valence Body-Specific Associations	POSTERS 3
97	Konstantina Kilteni and H. Henrik Ehrsson	Computational principles of the attenuation of self-generated touch	SYMPOSIUM 7
98	Ramona Grzeschik, Ruth Conroy Dalton, Anthea Innes and Jan Wiener	Effects of cognitive ageing on finding and selecting reliable landmarks	SYMPOSIUM 16
99	Cinzia Trapanese, H�el�ene Meunier and Shelly Masi	Planning of foraging strategies in nonhuman primates: travel optimization in three semi-free ranging species of primates	SYMPOSIUM 16
100	Silvia Miglietta, Giulia Bardino, Terence Fuh and Shelly Masi	Intentionality of spatial foraging strategies in wild western gorillas	SYMPOSIUM 16
101	Ana B. Chica, Mar�a Cobos, Pedro M. Guerra and Jaime Vila	Central and peripheral markers of attention and consciousness interactions	SYMPOSIUM 11
102	Laure De Cock, Kristien Ooms, Nico Van de Weghe and Philippe De Maeyer	Navigating towards a more human-focused space syntax	POSTERS 6
103	Stacy Doore, Kate Beard and Nicholas Giudice	Conceptual structure and object salience in indoor scene descriptions	TALKS 5
106	Susan Goldin-Meadow, Elizabeth Wakefield, Miriam Novack, Eliza Congdon and Steven Franconeri	Gesture helps learners learn, but not merely by guiding their visual attention	SYMPOSIUM 6
107	Lisa Molto, Ladislav Nalborczyk, Richard Palluel-Germain and Nicolas Morgado	Action-Specific Effects on Distance Perception: A Multilevel Bayesian Meta-Analysis	TALKS 2
108	Nicolas Morgado, Lisa Molto, Oph�elie Martinie and Richard Palluel-Germain	The effect of observed tool-use on distance perception	POSTERS 5
109	Gavin Duffy	Problem representation characteristics of engineering students with low and high spatial ability and implications for engineering education	SYMPOSIUM 5
110	Alex Miklashevsky, Oliver Lindemann and Martin H. Fischer	Think of the Future in the Right Way: Processing Time Activates the Motor System	TALKS 3
111	Dedre Gentner, Kensy Cooperrider and Susan Goldin-Meadow	Spatial analogies in complex relational reasoning: Evidence from spontaneous gestures	SYMPOSIUM 6
112	Genine Meredith and David Bruce	Geo-spatial literacy: an underrated capability in our technology driven world?	TALKS 11
113	Susan Levine, Susan Goldin-Meadow, Matthew Carlson and Naureen Hemani-Lopez	Mental transformation skill in young children: The role of concrete and abstract motor training	SYMPOSIUM 6

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114	Esa Itkonen and Anneli Pajunen	Justifying the elicitation vs. corpus distinction in psycholinguistics	TALKS 7
115	Maria Francesca Gigliotti, Patricia Coelho and Yann Coello	Perceiving and acting in a common and shared space: a systematic exploration of the social dimension of peri-personal space	POSTERS 2
116	Gennaro Ruggiero, Francesco Ruotolo and Tina Iachini	Development of reference frames and categorical/coordinate spatial relations from childhood to elderly age	SYMPOSIUM 12
117	Victor Vergnieux, Marc J-M Macé, Hombeline Valton, Emmanuel Barbeau and Christophe Jouffrais	Spontaneous representation of Vista spaces: similarities and differences between sighted and blind people	TALKS 5
118	Alice Cartaud, Gennaro Ruggiero, Laurent Ott, Tina Iachini and Yann Coello	Emotional responses to facial expressions in peripersonal space determine interpersonal distance in social interactions	TALKS 13
119	Francesca Frassinetti, Giuseppe di Pellegrino, Virginia Giuberti, Erica Santelli and Michela Candini	The space surrounding the body: functional dissociation between social and action space in ASD children	SYMPOSIUM 9
120	Benjamin Guenther, Nicholas Jensen, Brad Butler, Kaitlyn Haase, Toni Kaplan and Nicholas Giudice	Comparison of Learning with Vibro-audio Maps vs. Traditional Tactile Maps	POSTERS 3
121	Melissa Gussmann, Martin Merkt and Stephan Schwan	Authentic places: Does knowing about the history of a place influence the emotional impact of associated pictures?	POSTERS 1
122	David Peeters	The power of pointing in linking language to the world	SYMPOSIUM 15
123	Jörg Trojan, Xaver Fuchs, Sophie-Louise Speth and Martin Diers	The rubber hand illusion induced by visual-thermal stimulation	SYMPOSIUM 7
124	Nina Vanhaeren, Kristien Ooms and Philippe De Maeyer	Off the beaten track: intuitive indoor navigation support	POSTERS 6
125	Lisa Eberhardt and Anke Huckauf	Crowding across depth	POSTERS 4
126	Julian Keil, Dennis Edler, Anne-Kathrin Bestgen, Frank Dickmann and Lars Kuchinke	Ambiguity of Landmark Pictograms Enhances Salience and Recognition Performance	POSTERS 1
127	Antonio Cerrato, Michela Ponticorvo, Paolo Bartolomeo and Orazio Miglino	BTT-SCAN: an ecological and technology enhanced tool to assess Visual Neglect	POSTERS 5
128	Cees van Leeuwen	Piecemeal and holistic perception as alternating processing modes	TALKS 2
129	Massimiliano Palmiero, Raffaella Nori, Laura Tascón, Alessia Bocchi, José Manuel Cimadevilla Redondo and Laura Piccardi	Gender differences in route-navigation in a virtual environment	TALKS 6
130	Massimo Silvetti	Meta-Learning foundations of (near)optimal cognitive control in the mammalian brain	SYMPOSIUM 11
131	Rory Baxter, Alastair D. Smith, Peter M. Jones and Stephen D. Hall	Using immersive virtual environments to explore the blocking of geometric information during spatial learning	POSTERS 3
132	Antonella Lopez, Albert Postma and Andrea Bosco	Categorical & coordinate spatial information: Can they be disentangled in country sketch maps?	TALKS 12
133	Bernard Guelton	New entanglements between instrumental and mental maps in the exploration of urban space: preliminary results	TALKS 11

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134	Katja Fiehler and Zijian Lu	Sensorimotor integration of allocentric spatial information for reaching	POSTERS 6
135	Jeanette Alicia Chacón Candia, Juan Lupiáñez Castillo and Andrea Marotta	Sex differences in attentional object selection triggered by gaze and arrows.	TALKS 6
137	Kazushige Kimura, James Reichert and Zahra Moussavi	Navigation strategy with a virtual-reality hallway environment	POSTERS 3
138	Francesca Pazzaglia, Chiara Meneghetti and Lucia Ronconi	Tracing a route and finding a shortcut: What are cognitive, motivation, and personality factors involved?	POSTERS 6
139	Yuichiro Kikuno	The effect of tracking training on visual attention	TALKS 3
140	Milan van der Kuil, Anne Visser-Meily, Andrea Evers and Ineke van der Ham	Cognitive Rehabilitation of Spatial Navigation Impairment: A feasibility study	TALKS 5
141	Vezio Ruggieri and Rossella Berardi	Role of bodily postural muscle tensions in perception of space during imagery	TALKS 9
142	Nicole Ruta, Alistair Burleigh and Robert Pepperell	Medieval representation of pictorial space? A study investigating an alternative hypothesis from art history.	SYMPOSIUM 8
143	Fabrizio Doricchi	Left-to-right coding of number magnitudes: inherent or not?	SYMPOSIUM 4
144	Tina Iachini, Luigi Maffei, Massimiliano Masullo, Vincenzo Paolo Senese, Mariachiara Rapuano, Aniello Pascale, Francesco Sorrentino and Gennaro Ruggiero	The experience virtual reality: are individual differences in mental imagery associated with sense of presence?	POSTERS 2
145	Mariachiara Rapauno, Gennaro Ruggiero and Tina Iachini	Emotional facial expressions implicitly affect on the regulation of interpersonal distances	POSTERS 4
146	Carlo De Lillo	Foraging as a test battery for identifying sources of individual variations in long –term memory, short-term memory and planning	SYMPOSIUM 16
147	Nicolas Morgado, Lisa Molto, Loïc P. Heurley, Alexandre Coutté, Thibaut Brouillet, Anis Bouazza, Marjorie Dubois and Richard Palluel-Germain	On the Plausible Nature of the Effect of Ebbinghaus Illusion on Throwing Performance	POSTERS 3
148	Francesco Ruotolo and Ineke van der Ham	EMOTIONAL LANDMARKS IN A VIRTUAL ROUTE: THE ROLE OF AROUSAL AND VALENCE	TALKS 13
149	Robert Pepperell, Alistair Burleigh and Nicole Ruta	Natural imaging media	SYMPOSIUM 8
150	Tina Iachini and Gennaro Ruggiero	The space near our body is special: the effect of socio-emotional dynamic factors	SYMPOSIUM 9
151	Christopher Milde, Martin Diers, Jamila Andoh, Susanne Becker, Robin Bekrater-Bodmann, Jörg Trojan, Xaver Fuchs and Herta Flor	Evoked phantom sensations in amputees: a link between neural processing of body illusions and altered body perception	SYMPOSIUM 7
152	Naomi Polinsky, Maria Marcus, David Uttal and Catherine Haden	Parent-Child Talk About Spatial Relational Comparisons within an Informal Learning Setting	POSTERS 5
153	Dario Esposito, Davide Schaumann, Domenico Camarda and Yehuda E. Kalay	A multi-agent spatial-cognition model to represent infection spread in hospitals	TALKS 1

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154	Maria Catricala'	Fashion code, spatial grammar and direction: English and Italian languages in comparison	TALKS 7
155	Alessandro Farnè, Elvio Blini, Ivan Patanè, Alessandro Zanini, Marie Martinuzzi, Clement Desoche, Romeo Salemme, Claudio Brozzoli and Fadila Hadj-Bouziane	Close is better: evidence from real and virtual realities	SYMPOSIUM 9
156	Alexander Zdorovets and Oksana Tsaregorodtseva	Reading 'sky' and listening to high pitch: cross-modal mapping between pitch and word meaning	TALKS 9
157	Oksana Tsaregorodtseva and Elina Tsigeman	Men in black and green: testing a link between perceptual and conceptual knowledge	POSTERS 2
158	Stefano Mastandrea	Movement and space: from the lab artwork to the museum visitors	SYMPOSIUM 8
159	Elif Aktas Yanas	Investigating the Role of Imagistic Imagery in Aesthetic Experience	POSTERS 5
160	Céline Durupt, Charlotte Delcourt, Simone Morgagni and Sami Lini	Walking urban landscape, an eye-tracking study of visual affordances and orientation strategies	TALKS 11
161	Kiril Kostov	The handle orientation effect: bottom-up attentional factors that have received little to no attention	TALKS 2
162	Norman Loney and Sheryl Sorby	Understanding the link between spatial skills and chemical engineering problem-solving	SYMPOSIUM 5
163	Daniel Ness and Min Wang	"Let's Do It More Bigger": Relationships between Spatial Language and Constructive Play	TALKS 4
164	Marco Ragni and Paulina Friemann	Cognitive Computational Models of Reasoning about Spatial Information	SYMPOSIUM 15
165	Alessandro O. Caffo', Antonella Lopez, Giuseppina Spano and Andrea Bosco	Topographical disorientation in young, elderly, and subjective memory complaints people, and patients with Mild Cognitive Impairment: the differential impact of normal and pathological aging on familiar and unfamiliar spatial memory tasks	TALKS 4
166	Albert Postma and Neeltje Kant	Time for space: Studies of spatial and temporal order memory	TALKS 8
168	Letizia Cerqueglini	Cross-Generational Changes in Linguistic and Cognitive Spatial Frames of Reference among Negev Arabic Speakers	TALKS 7
169	Teodor Ivanov and Armina Janyan	Spatial attention and simulated object perception in Inhibition of Return	TALKS 2
170	Sorachai Kornkasem, Michael I. Swart and John B. Black	Developing Spatial Thinking Skills Using Multimedia Learning Model	POSTERS 2
171	Raffaele Tucciarelli, Elena Azañón and Matthew Longo	Spatial categories around bodies and objects	POSTERS 5
172	Ellie Aniulis and Nicole Thomas	Modulation of Attentional Asymmetries by Thin and Plus-Size Models	POSTERS 1
174	Bill Palmer, Alice Gaby, Jonathon Lum and Jonathan Schlossberg	Variation in spatial reference between and within languages: Sociotopography and the interplay of language, culture and environment.	SYMPOSIUM 15
176	Joerg Fingerhut	Manipulating complexity in pictorial space through artistic means	SYMPOSIUM 8
177	Renata Galatolo and Monica Simone	Climbing as a couple: how sighted coaches and visually impaired athletes coordinate their perception and action in indoor guided climbing training	POSTERS 6
178	Kristina Jazuk, Panagiotis Mavros, Tyler Thrash, Victor Schinazi and Christoph Hölscher	Social density and building layout: The experience of crowding in wayfinding	TALKS 11
179	Jeffrey Buckley and Niall Seery	Towards understanding the causal relationship between spatial ability and STEM education	SYMPOSIUM 5

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180	Jonas Nölle and Michael Spranger	Combining models and experiments to the study the evolution of competing spatial referencing strategies	SYMPOSIUM 15
181	Simona Serino, Vincenzo Paolo Senese, Tina Iachini, Mariachiara Rapuano and Gennaro Ruggiero	Trust, personality factors, attachment styles, and modulation of the interpersonal space: A correlational study	POSTERS 2
182	Antonella Maselli	Bidirectional cause-effect relations between multisensory integration and body ownership illusions	SYMPOSIUM 7
183	Divya Bhatia, Pietro Spataro and Clelia Rossi-Arnaud	Whose pointing is beneficial for visuo-spatial working memory: Mine, yours or an animated hand's?	POSTERS 3
186	Lissa Holloway-Attaway	Designing Game-Based Narratives and Interactive Worlds for Cultural Engagement	SYMPOSIUM 2
187	Emily Grossnickle Peterson, Bob Kolvoord, David Uttal and Adam Green	Individual Differences in the Improvement of Spatial Thinking following a High School Geoscience Course	TALKS 4
188	Maria Rosaria Stufano Melone, Stefano Borgo, Roberta Ferrario and Claudio Masolo	Towards an ontology-based framework to store and recover memories for creative architectural projects	TALKS 1
189	Alessandro D'Ausilio	Multi-level sensorimotor coordination in orchestra playing: A kinematic study	SYMPOSIUM 14
190	Emily Grossnickle Peterson, Denis Dumas, Kaiwen Man, David Uttal, Bob Kolvoord and Adam Green	Latent Factors of Mental Rotation Accuracy and Speed: An Item Response Theory Analysis	POSTERS 5
191	Romàn Josa, Philippe Servajean and Denis Brouillet	A feeling of physical proximity: The role of relative fluency in distance judgments	TALKS 9
192	Juergen Bohmeyer, Katharine Donelson, Yen-Ting Lin and Randi Moore	The biological and cultural evolution of spatial cognition: Evidence from semantic typology	SYMPOSIUM 15
194	Omid Ranjbar Pouya and Zahra Moussavi	Practice Effect in Spatial Updating: a Longitudinal Study using Virtual Reality Navigation	TALKS 10
195	Martin Lachmair, Susana Ruiz Fernandez and Martin Butz	You or me? Perspective Taking during low versus high immersion	POSTERS 2
196	Joanna Ganczarek and Karolina Pietras	Out of order: syntactic inconsistencies in pictorial space	SYMPOSIUM 8
197	Thorsten Plewan and Gerhard Rinkenauer	Influence of stereoscopic depth information on visual search	POSTERS 4
199	Helen Engemann, Efstathia Soroli, Coralie Vincent, Maya Hickmann and Henriëtte Hendriks	Representing motion in English and French: categorization and verbalization in adults and children	TALKS 7
200	Felipe Sarmiento and Peter Coppin	Tactile-interpretation of spatial relations in a live soccer game for non-visual soccer spectatorship	TALKS 9
201	Lore Goetschalckx, Pieter Moors, Steven Vanmarcke and Johan Wagemans	Good Images are Remembered Better	TALKS 14
202	Jurgis Skilters, Liga Zarina, Signe Balina and Juris Borzovs	Differences in Spatial skills among STEM and Humanities & Social Sciences' students: Evidence from SBSOD test	POSTERS 6
203	Vasiliki Kondyli	Precedent-Based Parametric Design: Computationally Generated Spatial Morphologies Satisfying Behavioural-Based Design Constraints	SYMPOSIUM 1
204	Benjamin Pitt and Daniel Casasanto	Spatializing time and numbers: How culture shapes cognitive universals	TALKS 8
205	Aurélie Helmlinger	An ethnomusicological case study : steelpans topologies	TALKS 12

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206	Martin Nitsche	Interface - a Region of Reversibility: Phenomenological-Topological Approach to New Media	TALKS 10
207	Liga Zarina, Jurgis Skilters and Signe Balina	Impact of object shape on the interpretation of spatial relations	TALKS 12
208	Jakob Suchan	Machine Coding of Narrative Structures in Visuo-Spatial Imagery	SYMPOSIUM 2
209	Gaetano Tieri and Vanessa Era	Investigating Social Motor behaviours through Virtual Reality: from human's to avatar's kinematics.	SYMPOSIUM 14
210	Sergio Cervera Torres, Susana Ruiz Fernández, Martin Lachmair and Peter Gerjets	Investigating recognition of emotional pictures with touchscreen interactions: A match between picture valence and its vertical touch location raises recognition confidence	POSTERS 1
211	Susana Ruiz Fernandez, Martin Lachmair, Juan José Rahona López, Sergio Cervera Torres and Peter Gerjets	Moving non-affective pictures in the horizontal space on a touchscreen: Valence ratings depend on movement direction	TALKS 3
212	Vasiliki Kondyli and Mehul Bhatt	Decision Points in Architectural Space: How they Affect Users' Visuo-Locomotive Experience During Wayfinding	TALKS 1
213	Tom Gijssels, Benjamin Pitt, Roberto Bottini, Ceren Battal, Olivier Collignon and Daniel Casasanto	Modality matters: Space-time mappings differ in vision and audition	TALKS 8
214	Daniel Levin	How people represent space and events while viewing cinema	SYMPOSIUM 2
215	Defu Yap, Geoffrey Brookshire and Daniel Casasanto	Beat gestures encode spatial semantics	TALKS 3
216	Helen Elizabeth Davis and Elizabeth Cashdan	Spatial cognition and mobility among children in two traditional and transitioning populations, the Tsimane of Bolivia and the Twa of Namibia.	SYMPOSIUM 3
217	Brent Chamberlain and Conner Bruns	Cue the Space: the role of landmarks and navigational aids in spatial memory and recall	SYMPOSIUM 3
218	Cagri Hakan Zaman	An Inquiry into Active Spatial Language using Virtual Reality	TALKS 13
219	Thomas Delahunty, Lance C. Perez, Presentacion Rivera-Reyes, Eric Psota and Dennis Molfese	Investigating the relationship between spatial ability and electrical circuits problem solving in an engineering degree program	SYMPOSIUM 5
220	Francesca Favieri, Andrea Marotta and Maria Casagrande	How social orienting affects attentional bias toward food stimuli	POSTERS 4
221	Giuseppe Forte, Angela Guarino and Maria Casagrande	Visual Spatial Attention in elderly: analysis of the orienting effect	POSTERS 1
222	Iliaria Boncompagni, Andrea Marotta, Juan Lupiáñez and Maria Casagrande	Attentional bias toward threatening stimuli in Italian anxious individuals: evidences from an Emotional Spatial Cueing using three types of emotional stimuli	POSTERS 4
223	Mark Lindquist	The influence of visual presentation mode and auditory fidelity on spatial perception and cognition	SYMPOSIUM 3
224	Juval Portugali	On the relations between cognitive maps and images of cities	SYMPOSIUM 1
226	Jiayan Zhao, Alexander Klippel, Meredith Minear, Nora Newcombe, Bobby Bodenheimer, Timothy McNamara, Alina Nazareth and Tesalee Sensibaugh	Walking and Learning in a Large-Scale Mediated Space: Impacts of viewpoint transition and proprioceptive feedback on spatial learning in virtual reality	TALKS 10
228	Rupashree Brahma Kumari and Anamitra Basu	Role of Script in Tribal Group of Odisha	TALKS 7

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229	Mehul Bhatt	Embodied Architecture Design: On People-Centred Design of Visuo-Locomotive Cognitive Experiences	SYMPOSIUM 1
230	Mehul Bhatt	Cognitive Media Studies: Potentials for Spatial Cognition and AI Research	SYMPOSIUM 2
231	Chantal Lemieux, Charles Collin and Nicholas Watier	Effects of Stereotype Activation on Gender Differences in Performance and Metacognition during A First-Person Virtual Maze Learning Task	POSTERS 3
232	Brian Bowe and Rachel Harding	Examination of the Gender Differences in Spatial Visualisation Skills and their Impact on Success and Engagement in STEM Education	TALKS 6
233	Wim Gevers and Sophie Antoine	Representations of space with ordinal information	SYMPOSIUM 4
234	Kerry Marsh	Using Motion Tracking and Affordance Experiments to Examine the Emergence of Interpersonal Synchrony and Joint Action	SYMPOSIUM 14
235	Guido Marco Cicchini, Giovanni Anobile and David Charles Burr	Spontaneous perception of numerosity in children and adults	SYMPOSIUM 4
236	Miriam Mirolla and Luigi Pagliarini	DIANA AND ACTAEOON. AN EYE TRACKING STUDY ON OLD MYTHOLOGY	POSTERS 1
237	Beatrix Emo, Andri Gerber, Michal Berkowitz, Christoph Hoelscher, Elsbeth Stern and Stefan Kurath	Development of a novel test to measure spatial abilities of architecture students: Preliminary findings	TALKS 1
238	Diana Martella, Jasmine Giovannoli, Maria Bernarda Pitzianti, Augusto Pasini and Maria Casagrande	The evaluation of attentional orienting in Italians and Chileans children with ADHD: effects of two different school integration strategies	POSTERS 4
239	Franco Delogu, Carla Meloni, Antonello Zizi, Rachele Fanari, Vassili Casula, Veronica Muggianu, Silvana Mula and Andrea Atzeni	The Morra Game as Testbed for Automatic and Controlled Cognitive Processing in an Ecological Setting	TALKS 3
240	Franco Delogu, Melinda Weinstein, Vivian Kao, Paul Jaussen, Dan Shargel, Kineta Morgan Paisley, Xamaka Latham and Lior Shamir	Promoting creativity, problem solving and cultural sensitivity through original and multidisciplinary course-based research experiences on technology and multimedia	TALKS 10
242	Evan Granito and Mark Lindquist	Virtual Reality in Landscape Architecture	POSTERS 5
243	Chiara Saracini and Marta Olivetti Belardinelli	Is artificial stereoscopy really helpful for a correct distance perception in Virtual Environments?	TALKS 13
244	Paul Hemeren and Vipul Nair	Actions, intentions and environmental constraints on biological motion perception	SYMPOSIUM 2
245	Yuelin Liu, Boon Haw Ooi, Lingyan Wang, Ernst Pöppel and Yan Bao	Oculocentric reference frame of inhibition of return in the far peripheral visual field	POSTERS 1
246	Xin Chen, Lin Chen, Yan Bao and Ernst Pöppel	The eccentricity effect of inhibition of return is dominated by the nasal retina	POSTERS 4
247	Yu Tong, Xiaoxuan Li, Ernst Pöppel and Yan Bao	The eccentricity effect of inhibition of return along the vertical meridian of the visual field	POSTERS 4
248	Martin Troendle	The Effects of Space and Movement on Visitor Attention	TALKS 2