



**The 16th European Workshop on Imagery
and Cognition**
From World to Mind: Images and Representations
7-9 June 2018 / Padua, Italy

Detailed Programme

Last Update: 11 May 2018

June 7

8.30-9.00	Registration
9.00-9.30	Welcome & Introduction
9.30-10.30	Keynote 1 (Cesare Cornoldi, University of Padova) Mental imagery in the totally congenitally blind
10.30-11.10	Session 1 Imagery and Blindness <ul style="list-style-type: none">• Amandine Afonso Jaco, Laetitia Guezenec, Pascale Piolino: Impact of visual deprivation in episodic autobiographical construction across past and future temporalities• Zaira Cattaneo, Luca Rinaldi, Lotfi B. Merabet, Tomaso Vecchi: The ego-moving metaphor of time relies on visual experience: no representation of time along the sagittal space in the blind
11.10-11.40	Coffee Break
11.40-12.40	Session 2 Multi-modal Integration and Learning <ul style="list-style-type: none">• Boris Suchan: Learn to read by touch• David Peebles: Multiple representations and visual mental imagery in cognitive architectures• Malika Auvray, Gabriel Arnold, Jacques Pesnot-Lerousseau: Seeing the thunder while still hearing it. Functional plasticity with a visual-to-auditory sensory substitution device
12.40-13.00	Poster Spotlight presentation - Session 1
13.00-14.30	Lunch Time & Poster Session 1
14.30-15.30	Keynote 2 (Daniel Schacter, Harvard University) Constructive episodic simulation in memory and imagination
15.30-16.10	Session 3 Creativity and Imagery <ul style="list-style-type: none">• David Pearson: Mental imagery and external representations during creative mental synthesis tasks• Riccardo Brunetti, Allegra Indraccolo, Claudia Del Gatto: Creativity in action: Exploring how physical action and posture affect convergent and divergent thinking
16.10-16.30	Coffee Break
16.30-17.30	Session 4 Space and Imagery in Language Processing <ul style="list-style-type: none">• Simona Sacchi, Valentina Tobia, Sara Manca, Veronica Cerina, Ferdinando Fornara: "Close to me": Effects of space organization and interpersonal distance on cognitive mindset• Carol Madden-Lombardi, Sophie Dejardin, David Farizon, Peter Ford Dominey: Capacity for Mental Imagery and Linking Narrative Events• Mehul Bhatt, Jakob Suchan: Learning Behavioural Models from Human Interaction Data: The Case of Artificial Intelligence Supported Cognitive Media Studies
17.45-18.30	Short guided tour

Poster Session 1

- P1-1 **Stephanie Pantelides, Marios Avraamides, Albert Postma:** Integrating spatial memories encoded through haptics and language
- P1-2 **Francesco Iani, Monica Bucciarelli, Silvia Chiesa, Carla Tinti:** The nature of concepts: The enactment effect in blind people speaks in favor of the modality-invariant hypothesis
- P1-3 **Lisa Molto, Ladislav Nalborczyk, Richard Palluel-Germain, Nicolas Morgado:** Action-Specific Effects on Distance Perception: A Multilevel Bayesian Meta-Analysis
- P1-4 **Silvia Chiesa, Susanna Schmidt, Carla Tinti, Cesare Cornoldi:** Spatial representation of a town: allocentric and contra-aligned representations in blind people
- P1-5 **Divya Bhatia, Pietro Spataro, Clelia Rossi Arnaud:** You and the hand: investigating the effects of other-performed pointing movements on visuo-spatial memory
- P1-6 **Malgorzata Piskunowicz, Jan Kłopocki, Agnieszka Skopowska, Alina Borkowska:** The association between postural balance, cognitive performance and anxiety in healthy young adults. Preliminary results
- P1-7 **Angelica Benson, Ed.M.:** The Imagery-Language Connection: A Sensory-Cognitive Foundation for Language Comprehension and Reading
- P1-8 **Maddalena Boccia, Valentina Sulpizio, Alice Teghil, Liana Palermo, Laura Piccardi, Gaspare Galati, Cecilia Guariglia:** Different dynamic mechanisms underlie imagery and perception within the high-level visual cortex
- P1-9 **Vasiliki Kondyli, Mehul Bhatt:** Visual attention distribution during indoor wayfinding. A case study of active navigation in healthcare environments
- P1-10 **Nicola Mammarella, Beth Fairfield, Alberto Di Domenico:** Emotion and Visual Imagery: the Finke & Pinker's study revisited
- P1-11 **Marcel Dorer, Hanspeter Mallot, Gregor Hardiess:** Distributed representations – The role of eye movements in mental problem solving
- P1-12 **Audrey Mazancieux, Céline Souchay, Chris Moulin:** Terminal visual feedback advantage in procedural learning
- P1-13 **Olesya Blazhenkova:** Mental extrapolation beyond boundaries of cropped inverted faces
- P1-14 **Raffaella Nori, Massimiliano Palmiero, Alessia Bocchi, Laura Piccardi, Elisa Gambetti, Fiorella Giusberti:** The Enhanced Cognitive Interview: could individual differences in Visuo-Spatial Working Memory explain differences in recalling an event?
- P1-15 **Ladislav Nalborczyk, Marcela Perrone-Bertolotti, Céline Baeyens, Romain Grandchamp, Elsa Spinelli, Ernst H. W. Koster, Hélène Løevenbruck:** Can articulatory suppression disrupt repetitive negative thinking?
- P1-16 **Riccardo Brunetti, Allegra Indraccolo, Roberta Meloni, Aurora Rizza, Marta Olivetti Belardinelli:** A pilot study on how different musical genres affect autonomic response
- P1-17 **Laura Di Giunta, Stefano Sdoia, Carolina Lunetti, Eriona Thartori, Emanuele Basili, Concetta Pastorelli, Laurence Steinberg, Jennifer E. Lansford, Dario Bacchini, Irene Fiasconaro:** Anger regulation, self-efficacy about anger regulation, response inhibition, and aggressive behaviors in adolescence
- P1-18 **Adamantini Hatzipanayioti, Marcel Bechtold, Betty Mohler, Heinrich Bülthoff, Tobias Meilinger:** Collaborative vs Individual Problem Solving

June 8

8.30-9.50	Session 5 Spatial Processing and Spatial Representation <ul style="list-style-type: none">• Christos Michaelides, Marios Avraamides: Developmental changes in updating memorized spatial relations among multiple objects• Giorgia Cona, Cristina Scarpazza: Where is the “where” in the brain? A meta-analysis of neuroimaging studies on spatial cognition• Banafsheh Grochulla, Hanspeter Mallot: Imagery of distant places depends on perceived current position• Andrea Bosco, Alessandro O. Caffò, Antonella Lopez: A method to disentangle coordinate and categorical spatial relationships in sketch maps
9.50-10.50	Keynote 3 (Cecilia Guariglia, Sapienza University of Rome) Don't neglect to imagine your way
10.50-11.10	Coffee Break
11.10-12.30	Session 6 Imagery Components and Cognitive Styles <ul style="list-style-type: none">• Maria Kozhevnikov, Han Zi Teo, Li Yahui: Object Visualization Ability and Its Sub-components: A Comparison across Cultures and Professions• Mark Price, Nicolas Rothen: Visual imagery or spatial imagery? Not always so obvious• Andrea Orlandi, Elisa Arno, Silvia D'Incà, Alice Mado Proverbio: Kinesthetic imagery and action representation: an insight from dance expertise• Massimiliano Palmiero, Raffaella Nori, Laura Tascón, Alessia Bocchi, José Manuel Cimadevilla Redondo, Laura Piccardi: Navigational styles and mental imagery abilities
12.30-13.00	Poster Spotlight presentation – Session 2
13.00 –14.30	Lunch Time & Poster Session 2
14.30-17.00	Session 7 (short talks) Cognitive Maps, Spatial Strategies and Navigation <ul style="list-style-type: none">• Veronica Muffato, Chiara Meneghetti, Rossana De Beni: The role of visuo-spatial abilities in environment learning from maps and navigation over the adult lifespan• Elise Grison, Amandine Afonso Jaco: How do we construct a spatial representation from haptic and proprioceptive exploration? Comparison of verbal, visuo-spatial, and embodied strategies• Vasiliki Kondyli, Mehul Bhatt: Spatial knowledge update in rotational locomotion. On the role of visuo-spatial cues and familiarity• Aurora Rizza, Marta Olivetti Belardinelli, Valerio Santangelo: Internal representation of visual and auditory maps: an fMRI study Social Cognition in Space and Time Representation <ul style="list-style-type: none">• Laurie Compère, Eirini Rari, Thierry Gallarda, Adèle Assens, Marion Nys, Sandrine Coussinoux, Pascale Piolino: “Women are less spatial and more emotional than men” but gender identity better than sex explains differences in autobiographical memory• Caterina Suitner e Anne Maass: A spatial schema to envisage social roles

Visuo-Spatial Thinking: Processes and Practices

- **Angelica Moè**: Improving mental rotation abilities through motivational trainings
- **Nady Hoyek, Stéphane Champely, Patrick Fargier**: The influence of physical activity, gender and frame of reference on mental rotation performance
- **Benedict C. O. F. Fehringer, Anna Klingauf, Stefan Münzer**: Different approaches to identify spatial thinking processes automatically based on eye tracking data
- **Nadine Dijkstra, Pim Mostert, Floris de Lange, Sander Bosch, Marcel van Gerven**: Temporal dynamics of visual imagery

Individual Differences and False Memories for Visual Inputs

- **Kouloud Abichou, Valentina La Corte, Pascale Piolino**: Phenomenological evaluation of false memory production in younger and elderly via a virtual reality task
- **Chiara Mirandola, Enrico Toffalini, Emilia Ferruzza, Cesare Cornoldi, Francesca Pazzaglia**: The dark side of personality: Individual differences in personality and their impact on emotional false memories for pictorial scripted events

17.30-22.00

Visit to Catajo Castel (Euganean Hills) and Dinner

Poster Session 2

- P2-1 **Merve Akca**: Retrieval-Induced Forgetting Effects in Retrospective and Prospective Memory in Normal Aging: An Experimental Study
- P2-2 **Ramona Cardillo, Irene C. Mammarella**: Visuo-constructive abilities and visuospatial working memory in Nonverbal Learning Disabilities and Autism Spectrum Disorders
- P2-3 **Caterina Artuso, Paola Palladino, Paola Ricciardelli**: Age-related differences in updating emotional faces
- P2-4 **Celia Mores**: Mental space representation deficits in schizophrenic patients are related to a binding deficit
- P2-5 **Andrea Ciricugno, Tomaso Vecchi, Chiara Ferrari, Zaira Cattaneo**: The role of the cerebellum in space representation: a TMS study
- P2-6 **Anna Lardone, Marianna Liparoti, Francesca Jacini, Laura Mandolesi, Giuseppe Sorrentino, Pierpaolo Sorrentino, Fabio Baselice, Antonietta Sorriso, Rosaria Rucco**: Can meditation change brain connectivity? A magnetoencephalography study.
- P2-7 **Andria Shimi, Pavlos Fanis, Vassos Neocleous, Dianne Newbury, Leonidas Phylactou, Savvas Papacostas**: Dopamine transporter (DAT1) gene modulates individual differences in visual working memory capacity
- P2-8 **Marianna Pagkratidou, Adamantini Hatzipanayioti, Marios Avraamides**: Spatial memory reasoning at familiar vs. unfamiliar environments
- P2-9 **Veronica Muffato, Chiara Meneghetti, Nicola Mammarella, Rossana De Beni**: Do people go out less as they get older? A self-report lifespan study on orientation experiences and emotions
- P2-10 **Chiara Meneghetti, Elizabeth Maria Doerr, Barbara Carretti, Tommaso Feraco**: Dancing: A spatial activity that enhances visuospatial skills?
- P2-11 **Francesca Pazzaglia, Angelica Moè**: Mental rotation and perspective taking skills of professional dancers
- P2-12 **Elena Carbone, Chiara Meneghetti, Erika Borella**: Young and older adults walk in the Corsi test: the role of age and visuo-spatial factors
- P2-13 **Martina Rahe, Vera Ruthsatz, Claudia Quaiser-Pohl**: Gendered effects of material and strategy in a chronometric mental-rotation test with male- or female-stereotyped objects
- P2-14 **Ilaria Santoro, Mauro Murgia, Fabrizio Sors, Tiziano Agostini**: The effect of walking on spatial updating within described environments
- P2-15 **Tina Iachini, Francesco Ruotolo, Mariachiara Rapuano, Angela Bartolo, Gennaro Ruggiero**: Mental rotation from childhood to elderly age: the effect of body-related stimuli
- P2-16 **Mirko Saunders, Claudia Quaiser-Pohl, Martina Rahe**: The identification of solution strategies in a mental-rotation test - An exploratory eye-tracking approach
- P2-17 **Chiara Meneghetti, Veronica Muffato, Enrico Toffalini**: The role of familiarity and individual visuo-spatial factors when an environment is experienced or imagined
- P2-18 **Avishai Henik, Danit Geva**: Visual Spatial Perspective Switching

June 9

8.30-9.50	Round Table. Cognition and imagery: What applications? <ul style="list-style-type: none">• Chiara Meneghetti: Introduction<ul style="list-style-type: none">○ Olesya Blazhenkova: Visual imagery in different professions.○ Petra Jansen: Imagery and sport activity.○ Jodene Fine: Neurodevelopmental visuospatial syndrome: Phenotypic outcomes for visual-spatial impairment.○ Ineke J.M. van der Ham: Spatial navigation impairment after stroke.• Michael Denis: Discussant
9.50-10.50	Keynote 4 (Yann Coello, University of Lille) Object and space perception in social contexts
10.50-11.20	Coffee Break
11.20-13.00	Session 8 Embodied Cognition and Motor Imagery <ul style="list-style-type: none">• Sandra Fortuna, Luc Nijs: Embodied Music Cognition and Visual Representation.• Arnaud Saimpont, Elodie Saruco, Lea Multari, Aymeric Guillot: Effects of different ratios of physical and mental practice on performance in a complex postural task in young adults.• Simon Lhuillier, Valérie Gyselinck, Serge Nicolas: Sensorimotor simulation during route learning: mental imagery and spatial cognition in a grounded framework• Francesco Ruotolo, Gennaro Ruggiero, Teresa Pia Arabia, Gianluca Scotto di Tella, Wassila Elmardi, Laurent Ott, Tina Iachini, Angela Bartolo: The role of imagery in the pantomime production of objects used toward and away from the body.• Jocelyne Ventre-Dominey, Guillaume Gibert, Marielle Bosse-Platiere, Alessandro Farne, Peter Ford Dominey, Francesco Pavani: Experiencing robot embodiment facilitates self-other proximity.
13.00 –14.00	Lunch Time
14.00-15.20	Session 9 Visuo-Spatial Working Memory <ul style="list-style-type: none">• Katie Linden, Colin Hamilton: Single versus multiple item visual short term memory task performance: the interesting case of individual differences associated with autistic-like characteristics.• Tadamasa Narimoto, Naomi Matsuura, Michio Hiratani: Impaired Visuospatial Short-Term Memory in Children with ADHD.• Maria Chiara Passolunghi, Hiwet Mariam Costa, Chiara De Vita: The relation between different working memory domains and processes and different math tasks: a cross-sectional study.• Luísa Superbia-Guimarães, César Galera, Flávia Heloísa Santos, Pedro B. Albuquerque: Visual search impairs retro-cue's effect in visuospatial working memory task.

15.20-16.20

Session 10 **Imagery and Neurodegenerative Disorders**

- **Marta Olivetti Belardinelli, Thomas Huenefeldt, Chiara Esposito, Simone Migliore, Sabrina Maffi, Ferdinando Squitieri:** Reduced mindreading capability as early indicator of the Huntington Disease.
- **Valentina La Corte, Agnès Michon, Sophie Ferrieux, Maria Abram, Marc Teichmann, Bruno Dubois, Pascale Piolino:** Episodic future thinking as a function of temporal distances: evidence from Alzheimer's disease and semantic dementia.
- **Patrizia Bisiacchi, Giovanna Mioni:** Investigating mental time travel in young and older adults: Imaging the past and the future.

16.20-16.30

Concluding Remarks
