

PROVISIONAL PROGRAM EWIC 2024

13 JUNE 2024

| | |
|---------------|--|
| 8:10 – 8:40 | Registration |
| 8:40 – 8:45 | Welcome |
| 8:45 – 9:30 | Special Lecture by Michel Denis “Space in life, space in film” |
| 9:30 – 10:45 | <p>Symposium: Understanding the affective dimension of social interactions in real and virtual spaces</p> <p>Convenor: Michela Candini</p> <ul style="list-style-type: none"> > Ivan Patané, Michela Candini, Clément Desoche, Alessandro Farne, Fadila Hadj-Bouziane, Caterina Bertini, Elisa Ciaramelli, Giuseppe di Pellegrino: The effects of emotion imitation on personal space regulation > Georgios Michalareas: Effect of Psychopathy on the perception of Interpersonal Distance > Martina Fusaro, Maddalena Beccherle, Valentina Moro, Salvatore Aglioti: Exploring social touch perception in fibromyalgia and endometriosis: Insights from virtual reality > Bianca Monachesi: The effects of sexual objectification on own body attention, emotional response, and interpersonal interaction |
| 10:45 -11:30 | coffee break + poster session 1 (Mental imagery, environment, well-being and emotions) |
| 11:30 – 12:30 | <p>Keynote 1 (Alessandro Farnè, ImpAct Team, Lyon Neuroscience Research Centre, France)</p> <p>Humans embody tools to use them like hands. How’s that?</p> |
| 12:30 – 13:15 | <p>Session 1: Peripersonal and interpersonal space</p> <ul style="list-style-type: none"> > Lucie Lengart, Clemence Roger, Adriana Sampaio, Yann Coello: Self-advantage in the processing of objects in peripersonal space > Lauren Buck, Mauricio Flores-Vargas, Rachel McDonnell: The role of spatial audio fidelity in the mediation of interpersonal and peripersonal space in immersive virtual reality > Antonella Ferrara, Claudio Brozzoli, Clément Desoche, Romeo Salemme, Tina Iachini, Alessandro Farnè, Gennaro Ruggiero: How a tool or an elongated virtual arm influence space and body representations |
| 13:15 – 14:30 | Lunch Time |
| 14:30 – 16:15 | <p>Symposium: Visual-Spatial Imagery Across Real-World Contexts: Insights into Spatial Updating, STEM Learning, Artistic Performance, and Neurological Disorders</p> <p>Convenors: Maria Kozhevnikov, Laura Piccardi</p> <ul style="list-style-type: none"> > Gaspere Galati: Decoding the contents and spatial topography of mental images in high-level visual cortex > Maria Kozhevnikov, Laura Piccardi, Alessandro Von Gal, Sylvia Tan Zi Han, Andrea-René Angeramo: Exploring object visualization abilities in artistic domains: The role of color, shape, and texture visualization > Mary Hegarty: The contributions of visual-spatial imagery to learning organic chemistry > Christodoula Gabriel, Adamantini Chatzipanagioti, Alexia Galati, Marios Avraamides: Teleporting impairs scene recognition in virtual environments > Alastair Smith: Using drawing tasks to probe visuospatial memory in disorders of perception and action > Fabrizia D'Antonio, Laura Piccardi: Visual mental imagery and visual hallucinations |
| 16:15 – 17 | coffee break + poster session 2 (Maps, spatial memory, multisensory signals, interpersonal space and neural bases) |
| 17 – 17:45 | <p>Session 2: Navigation and spatial maps</p> <ul style="list-style-type: none"> > Hatice Dedetas Satir, Stefan Münzer: Minimizing the influence of cognitive ability facets in map-based route learning via instructional interventions > Simon Lhuillier, Alain L'Hostis, Valérie Gyselinck: How do different map formats influence the perception of space-time and route choices on a geographical scale? > Jakub Krukar, Ahmed Aly, Angela Schwering: Analysing 3D sketch maps |

14 June 2024

| | |
|---------------|--|
| 8:30 – 9:30 | <p>Session 3: Spatial reasoning and construction</p> <ul style="list-style-type: none"> > David Pearson, Vebjørn Ekroll: Heuristic-based errors during intuitive spatial reasoning > Isa Zappullo, Anna Lauro, Roberta Cecere, Massimiliano Conson: The effect of motor simulation on spatial construction > Spencer Talbot, Patricia Kanngiesser, Alastair D. Smith: Hide and Seek: The influence of role and mentalising on exploratory behaviour > Inès Djelloul-Daouadji, Mathis Prost, Elise Grison, Aurélie Dommès: Should I stay or should I go? Guiding decision making at railway crossings |
| 9:30 – 10:15 | <p>Special Lecture by Robert H. Logie “Visual working memory: Diverse assumptions, testing methods, and participant strategies”</p> |
| 10:15 – 11:15 | <p>Session 4: Memory mechanisms</p> <ul style="list-style-type: none"> > Elena Carbone, Irene C. Mammarella, Erika Borella: Training visuo-spatial working memory in healthy older adults with immersive and tablet-based tasks: preliminary results > Andria Shimi: Attentional selection, suppression and visual working development > Nicola Matteucci, Alessandro Von Gal, Valentina Di Maria, Laura Piccardi, Maria Kozhevnikov, Raffaella Nori: False navigational memories: The influence of semantic traces and meta-memory > Federica Santacroce, Annalisa Tosoni, Davide Di Censo, Carlo Sestieri, Giorgia Committeri: Generalization from episodic experience to semantic knowledge through the extraction of objective regularities |
| 11:15– 11:45 | <p>coffee break</p> |
| 11:45 – 13 | <p>Symposium: “Lights and Shadows in the Intersection of Technologies and Navigation Abilities”</p> <p>Convenors: Veronica Muffato, Laura Miola</p> <ul style="list-style-type: none"> > Valérie Gyselinck, Simone Morgagni, Virginie Van Wassenhove: Temporal and spatial cognition in the wild: how technologies affect our representations? > Toru Ishikawa: Human sense of orientation: Where does the use of mobile navigation tools lead us? > Laura Miola, Veronica Muffato, Enrico Sella, Chiara Meneghetti, Francesca Pazzaglia: Is GPS use associated with our navigation skills? A systematic review and meta-analysis > Ineke van der Ham: Cognitive performance in immersive technology |
| 13 – 14:15 | <p>Lunch Time</p> |
| 14:15 – 15:15 | <p>Keynote 2 (Mary Hegarty, Department of Psychological & Brain Sciences, UC Santa Barbara, USA)</p> <p>Individual Differences in Navigation</p> |
| 15:15 – 16:15 | <p>Session 5: Mental imagery</p> <ul style="list-style-type: none"> > Joanna M. Smieja, Tomasz Zaleskiewicz, Agata Gasiorowska: Mental imagery shapes emotions in people’s decisions related to risk taking > Dagmara Budnik-Przybylska, Karol Nędza, Karol Karasiewicz: Imagery questionnaire in different time perspectives-psychometric data of the tool > Dina van Well, Sharon Geva: Enhanced vividness of imagery in aphantasia after exposure to multi-modal stimuli > Nadja Schott, Tobias Feiner, Soo-Yong Park: Neural correlates of task proceduralization and motor simulation in "good" and "poor" motor imagers. A functional near-infrared spectroscopy study (fNIRS) |
| 16:15 | <p>Excursion + social dinner</p> |

| | |
|---------------|--|
| 8:45 – 9:30 | <p>Session 6: Clinical perspectives</p> <ul style="list-style-type: none"> > Ineke van der Ham, Midas M. Stöfvel, Martine J.E. van Zandvoort: Developmental topographical disorientation: further theoretical framing and a possible link to aphantasia > Boris Suchan: Preventing dementia using go4cognition > Diletta Decarolis, Loreta Cannito, Tiziana Quarto, Paola Palladino: Virtual reality to assess episodic memory in AD and aMCI patients: The role of emotional variables |
| 9:30 – 10:30 | <p>Keynote 3 (Anna Christina Nobre, Department of Psychology, Yale University, USA)</p> <p>The internal focus of attention</p> |
| 10:30 – 11:30 | <p>Session 7: Body, perspective taking and social mechanisms</p> <ul style="list-style-type: none"> > Alexandra de Lagarde, Fabien Boucaud, Louise P. Kirsch, Indira Thouvenin, Catherine Pelachaud, Malika Auvray: Paving the way for social touch sonification: Behavioral studies and applications in virtual reality > Malika Auvray, Alexandra de Lagarde, Chiara Baiano, Louise Kirsch, Xavier Job, Gabriel Arnold: Taking my perspective or yours? The influence of personality traits, psychopathological traits, and interoceptive abilities > Yuan He, Rachel McDonnell: Body swapping in virtual reality: reshaping boundaries between self and others to enhance interpersonal trust > Chiara Fini, Vanessa Era, Giovanna Cuomo, Ilenia Falcinelli, Manuel Mello, Anna M. Borghi: Online vocal exchanges about abstract concepts foster automatic imitation between young conversational partners |
| 11:30 – 12 | coffee break |
| 12– 13:15 | <p>Symposium: “Stepping forward with immersive technology: virtual characters in applications”</p> <p>Convenors: Anne-Hélène Olivier, Katja Zibrek, Julien Pettré, Ana Zappa</p> <ul style="list-style-type: none"> > Katja Zibrek: Perception of virtual characters in VR > Ana Zappa: Using VR to explore the role of social cues and interaction in second language learning > Anne-Hélène Olivier: Immersive technologies and non-verbal interactions during locomotion: Validation, applications & future directions > Julien Pettré: Collecting “crowd” data with Virtual Reality |
| 13:15 – 14:30 | Lunch Time |
| 14:30 – 15:15 | <p>Session 8: Virtual Reality Applications and Psychological effects</p> <ul style="list-style-type: none"> > Andrea Massironi, Marco Alessandro Petilli, Carlotta Lega, Simone Fontana, Emanuela Bricolo: The impact of proactive attentional control on braking and lane keeping: A simulator study on driving performance > Vasiliki Kondyli, Marcin Leszczynski, Mehul Bhatt: Visual and auditory cueing direct visual predictions in immersive embodied locomotion > Monika Dunin-Kozicka, Magdalena Szubielska, Paweł Fortuna, Natalia Kopiś-Posiej, > Łukasz Kaczmarczyk, Julia Iwińska: How does attending virtual art exhibitions influence creative behavior? |
| 15:15 – 16 | <p>Session 9: Spatial memory and frames of reference</p> <ul style="list-style-type: none"> > Alessio Lustro, Francesca Conte, Benedetta Albinni, Clarissadebora Alterio, Francesca Costanzo, Oreste De Rosa, Rosa Di Filippo, Gennaro Ruggiero, Gianluca Ficca: The role of sleep in the consolidation of different spatial memory representations > Shaun Dordoy, Spencer Talbot, Rory Baxter, Alastair D. Smith: Awareness of statistical learning in a large-scale virtual environment > Renato Orti, Tina Iachini, Francesco Ruotolo, Michela Possenti, Eleonora D’Agostino, Gennaro Ruggiero: Cognitive load in egocentric-alloentric switching processes: A pupillometry study |
| 16 – 16:45 | <p>Session 10: Developmental perspectives</p> <ul style="list-style-type: none"> > Veronica Debora Toro, Gianluigi Serio, Chiara Valeria Marinelli, Eugenio Trotta, Maria Bove, Diletta Decarolis, Paola Palladino, Tiziana Quarto: The interaction between parenting style and cortisol levels on emotional words processing in primary school children: An ERP study > Ramona Cardillo, Camilla Orefice, Nicolas Leanza, Irene C. Mammarella: Exploring motor and visuospatial processing in developmental coordination disorder and nonverbal learning disability: A comparative analysis > Nadja Schott, Carolin Franzki, Laura Scholz, Inaam El-Rajab: Motor performance as a function of compromised motor imagery ability in individuals with Down Syndrome? |
| 16:45 | Concluding remarks |