

Under the auspices of



# 16<sup>th</sup> International Multisensory Research Forum



Programme

Palazzo dei Congressi, Pisa, Italy  
June 13-16, 2015



### **Organizers**

Maria Concetta Morrone	<i>University of Pisa (Italy)</i>
Guido Marco Cicchini	<i>IN-CNR, Pisa (Italy)</i>
Roberto Arrighi	<i>University of Florence (Italy)</i>

### **Scientific Committee**

David Burr	<i>University of Florence (Italy)</i>
Mel Goodale	<i>University of Western Ontario (Canada)</i>
David Alais	<i>University of Sydney (Australia)</i>
Laurence Harris	<i>University of York (United Kingdom)</i>
Fiona Newell	<i>Trinity College, Dublin (Ireland)</i>
Salvador Soto-Faraco	<i>University of Barcelona (Spain)</i>
Amir Amedi	<i>University of Jerusalem (Israel)</i>
Vannessa Harrar	<i>University of Hamburg (Germany)</i>
Barry Stein	<i>Wake Forrest University (USA)</i>
Marc Ernst	<i>Bielefeld University (Germany)</i>

### **Local Committee**

Paola Binda	<i>University of Pisa (Italy)</i>
Nadia Bolognini	<i>Bicocca University, Milan (Italy)</i>
Monica Gori	<i>Italian Institute of Technology, Genoa (Italy)</i>
Claudia Lunghi	<i>University of Pisa (Italy)</i>
Kyriaki Mikellidou	<i>University of Pisa (Italy)</i>

## Programme at a glance

TIME	Saturday 13 <sup>th</sup> June	Sunday 14 <sup>th</sup> June		Monday 15 <sup>th</sup> June		Tuesday 16 <sup>th</sup> June	
9.00-11.00 a.m.		Multiple senses, multiple stimuli: matching sights and sounds at the cocktail party	Cortical plasticity following visual or auditory impairment	Insights and perspectives on sensory-motor integration	Depth: the forgotten dimension in multisensory research	Brain oscillations in multisensory integration	Multimodal contributions to body representation
11.00-11.30 a.m.		<i>Coffee break</i>					
11.30 a.m.-1.00 p.m.		Motion and symmetry	Cross-modal Integration (1)	Body ownership and awareness	Priming and prediction	Cross-modal Integration (2)	Time
1.00-3.00 p.m.		<i>Lunch and Poster Session</i>				<i>Lunch and Business Meeting in Room Pacinotti</i>	
3.00-5.00 p.m.	4.00-6.00 p.m. <b>Registration</b>	Perception in the blind	Space perception	Multisensory integration in self-motion perception	The curious incident of attention in multisensory integration: bottom-up and top-down	Above the mean - examining variability in multisensory processing	The multifaceted interplay between multisensory integration and consciousness
5.00-6.00 p.m.	5.55-6.00 p.m. <b>Welcome from the Organizers</b>	<i>Poster Session and drinks</i>					
6.00-7.00 p.m.	<i>Plenary Lecture: Dora Angelaki</i>	<i>Plenary Lecture: Luciano Fadiga</i>		<i>Plenary Lecture: Olaf Blanke</i>			
				6.55-7.00 p.m. <i>BRILL Best Student Award</i>			
	7.00-9.00 p.m. <i>Welcome Reception Conference Venue</i>			8.00-11.30 p.m. <i>Social Dinner Carmine Cloister, Santa Maria del Carmine Church</i>			

## Saturday 13<sup>th</sup> June 2015

4.00 p.m. Registration

5.55 p.m. Welcome from the Organizers

6.00 - 7.00 p.m. **PLENARY SESSION - AUDITORIUM GROUND FLOOR**  
BRILL Multisensory Research Lecture

*Invited Lecture: Dora Angelaki (Baylor College of Medicine, US)*  
**Multisensory benefits in self-motion perception**

*Introduced by Laurence Harris*

7.00 - 9.00 p.m. **Welcome Reception** at Conference Venue

## Sunday 14<sup>th</sup> June 2015

9.00 - 11.00 a.m. Pacinotti Meeting Room

**Symposium A: MULTIPLE SENSES, MULTIPLE STIMULI:  
MATCHING SIGHTS AND SOUNDS AT THE COCKTAIL PARTY**

*Chaired by: Jennifer Groh*

9.00 a.m. Introduction

9.05 a.m. **Linking visual and auditory signals in space**  
*Jennifer Groh*

9.00 - 11.00 a.m. Fermi Meeting Room

**Symposium B: CORTICAL PLASTICITY FOLLOWING VISUAL OR  
AUDITORY IMPAIRMENT**

*Chaired by: Stephen G. Lomber*

9.00 a.m. Introduction

9.05 a.m. **Crossmodal plasticity in both the dorsal and  
ventral pathways of auditory cortex following  
hearing loss**  
*Stephen G. Lomber*

9.30 a.m. **Bringing faces and vocal stimuli together in the primate prefrontal cortex**

*Lilizabeth Romanski*

9.55 a.m. **Attending to sights and sounds by features and location**

*Barbara Shinn-Cunningham*

10.20 a.m. **Integrating sight and sound to facilitate comprehension of noisy and degraded speech**

*Ingrid Johnsrude*

10.45 a.m. Discussion

9.30 a.m. **Deafness, language and neural plasticity in the human brain**

*Velia Cardin*

9.55 a.m. **The nature of, and necessary conditions for, the plasticity reintroduced in the feline visual system by immersion in total darkness**

*Donald E. Mitchell*

10.20 a.m. **Impact of sight deprivation and restoration on the functional organization and connectivity of the occipital cortex**

*Olivier Collignon*

10.45 a.m. Discussion

**11.00 - 11.30 a.m. Coffee break**

**11.30 a.m. - 1.00 p.m. Pacinotti Meeting Room**

**Talks Session N. 1: MOTION AND SYMMETRY**

*Chaired by: Maria Michela Del Viva*

11.30 a.m. **Tactile flow**

*Laurence Harris, Kenzo Sakurai,  
William Beaudot*

**11.30 a.m. - 1.00 p.m. Fermi Meeting Room**

**Talks Session N. 2: CROSS-MODAL INTEGRATION (1)**

*Chaired by: Paola Binda*

11.30 a.m. **The taste system modulates smell perception via neural interactions at the level of primary sensory cortex**

*Joost Maier, Donald Katz*

11.45 a.m. **Neuronal representation of optic flow as a cue to self-motion**

*Maiko Uesaki, Hiroshi Ashida*

12.00 p.m. **A theoretical approach to movement-related tactile sensory suppression**

*Georgiana Juravle, Charles Spence*

12.15 p.m. **Visuo-vestibular crossmodal aftereffects in self-motion perception**

*Luigi Cuturi, Paul R. MacNeilage*

12.30 p.m. **The effect of gap size on the perception of regularities in vision and in touch**

*Rebecca Lawson, Henna Ajvani, Stefano Cecchetto*

12.45 p.m. **Revealing symmetry detection over time: comparing visual perception using a touch-guided, moving aperture to haptic perception**

*Stefano Cecchetto, Rebecca Lawson*

11.45 a.m. **Audiovisual working memory and multisensory processing in the medial prefrontal cortex**

*Bethany Plakke, Lilzabeth Romanski*

12.00 p.m. **The developmental trajectory of audio-visual integration**

*Wendy Adams*

12.15 p.m. **Multisensory perception, but not multisensory stimuli drive the activity of posterior superior temporal sulcus (PSTS)**

*Abhishek Mukherjee, Partha Raghunathan, Arpan Banerjee*

12.30 p.m. **Shifting visual spatial attention through emotional sounds**

*Ulrike Zimmer, Gina Oertel, Karl Koschutnig, Anja Ischebeck*

12.45 p.m. **Letter and novel symbol multisensory enhancement dissociate in broca's aphasia**

*Ayla Barutchu, Glyn Humphreys*

1.00 - 3.00 p.m. **Lunch and Posters Session**

3.00 - 5.00 p.m.

Pacinotti Meeting Room

**Talks Session N. 3: PERCEPTION IN THE BLIND**

*Chaired by: Monica Gori*

- 3.00 p.m. **Space and time in the sighted and blind**  
*Roberto Bottini, Davide Crepaldi,  
Daniel Casasanto, Virginie Crollen,  
Olivier Collignon*
- 3.15 p.m. **Access to visual distance via a time-delayed tactile feedback device**  
*Jess Harcher-O'Brien, Malika Auvray,  
Vincent Hayward*
- 3.30 p.m. **Flexible use of spatial reference frames for touch in sighted and congenitally blind individuals**  
*Jonathan Schubert, Stephanie Badde,  
Brigitte Röder, Tobias Heed*
- 3.45 p.m. **Audio-motor training and spatial cognition in visually impaired children and adults**  
*Monica Gori, Giulia Cappagli,  
Gabriel Baud-Bovy, Lope Ben Porquis,  
Sara Finocchietti*
- 4.00 p.m. **Altered multisensory processing after a transient period of a total blindness from birth**  
*Brigitte Röder, Lisa Putzar, Maria Guerreiro*

3.00 - 5.00 p.m.

Fermi Meeting Room

**Talks Session N. 4: SPACE PERCEPTION**

*Chaired by: Nadia Bolognini*

- 3.00 p.m. **Eye movements modulate the acoustics of the external ear canal**  
*Kurtis G. Gruters, Christopher A. Spera,  
Jennifer Groh*
- 3.15 p.m. **Your hand is not a perceptual ruler: changes in action capacity influence affordances but not size estimates**  
*Elizabeth Collier, Rebecca Lawson*
- 3.30 p.m. **Adaptation of haptic surface orientation: no transfer between different unimanual exploration modes**  
*Loes van Dam, Myrthe Plaisier,  
Catharina Glowania, Marc Ernst*
- 3.45 p.m. **Visuotactile localization during arm movements**  
*Femke Majj, Pieter Medendorp*
- 4.00 p.m. **Compression of time and space between the visual and the tactile senses**  
*Eckart Zimmermann, Christina Derichs,  
Gereon Fink*

4.15 p.m. **Independent developmental trajectories for biological motion and face processing**  
*Davide Bottari, Nikolaus Friedrich Troje, Pia Ley, Marlene Hense, Ramesh Kekunnaya, Brigitte Röder*

4.30 p.m. **A number-form area in the blind**  
*Sami Abboud, Shachar Maidenbaum, Stanislas Dehaene, Amir Amedi*

4.45 p.m. **Core knowledge of geometry in congenitally blind adults**  
*Benedetta Heimler, Tomer Behor, Stanislas Dehaene, Amir Amedi*

4.15 p.m. **Spatial reference frame of haptic context learning: egocentric or allocentric?**  
*Leonardo Assumpcao, Zhuanghua Shi, Xuelian Zang, Hermann Joseph Müller, Thomas Geyer*

4.30 p.m. **The Development of a crossmodal sense of body ownership**  
*Elena Nava, Nadia Bolognini, Chiara Turati*

4.45 p.m. **Approaching threat modulates visuotactile coding in peripersonal space**  
*Alyanne De Haan, Miranda Smit, Stefan van der Stigchel, Chris Dijkerman*

**5.00 - 6.00 p.m. Posters Session and Drinks**

**6.00 -7.00 p.m. PLENARY SESSION - AUDITORIUM GROUND FLOOR**

*Invited Lecture: Luciano Fadiga (University of Ferrara & The Italian Institute of Technology)*

**Sensorimotor communication, speech and language**

*Introduced by Giovanni Cioni*



## Monday 15<sup>th</sup> June 2015

9.00 - 11.00 a.m.

Pacinotti Meeting Room

### Symposium C: INSIGHTS AND PERSPECTIVES ON SENSORY-MOTOR INTEGRATION

*Chaired by: Silvio Ionta*

- 9.00 a.m. Introduction
- 9.05 a.m. **Functional neuroimaging of sensory-motor systems: understanding input-output relations in the healthy brain**  
*Rochelle Ackerley*
- 9.30 a.m. **Structural brain imaging approaches to understand sensory-motor function in health and disease**  
*Michael Borich*
- 9.55 a.m. **A bio-computational model of sensory-motor integration**  
*Silvio Ionta*
- 10.20 a.m. **Neuromorphic artificial touch for sensory-motor rehabilitation via neuroprostheses**  
*Calogero Maria Oddo*
- 10.45 a.m. Discussion

9.00 - 11.00 a.m.

Fermi Meeting Room

### Symposium D: DEPTH: THE FORGOTTEN DIMENSION IN MULTISENSORY RESEARCH

*Chaired by: Nathan van der Stoep, Charles Spence*

- 9.00 a.m. Introduction
- 9.05 a.m. **Looking beyond the horizon of audiovisual simultaneity**  
*Massimiliano di Luca*
- 9.30 a.m. **Multisensory interactions in peripersonal space**  
*Andrea Serino*
- 9.55 a.m. **Multisensory interactions in the depth plane in front and rear space**  
*Nathan van der Stoep*
- 10.20 a.m. **Driving hand-objects interactions in depth by anticipated weighting of visuo-tactile processing**  
*Alessandro Farnè*
- 10.45 a.m. Discussion

## 11.00 - 11.30 a.m. Coffee break

11.30 a.m. - 1.00 p.m. Pacinotti Meeting Room

## Talks Session N. 5: BODY OWNERSHIP AND AWARENESS

Chaired by: *Claudia Lunghi*

11.30 a.m. **Body ownership towards the movement end-effector modulates motor performance under violation of motor intention**  
*Konstantina Kilteni, Dallila Burin,  
 Marco Rabuffetti, Lorenzo Pia, Mel Slater*

11.45 a.m. **Flexible expansion of the temporal window of visuotactile integration during body ownership illusions**  
*Antonella Maselli, Konstantina Kilteni,  
 Joan Lopez-Moliner, Mel Slater*

12.00 p.m. **Where am I? Investigating which perspectives are taken on ambiguous tactile symbols**  
*Gabriel Arnold, Jess Hartcher O'Brien,  
 Vincent Hayward, Charles Spence, Malika Auvray*

12.15 p.m. **Modeling the mechanisms of body representations using machines: exploring the "self-touch" scenario in the iCub humanoid robot with artificial skin**  
*Matej Hoffmann, Alessandro Roncone,  
 Giorgio Metta*

11.30 a.m. - 1.00 p.m. Fermi Meeting Room

## Talks Session N. 6: PRIMING AND PREDICTION

Chaired by: *Guido Marco Cicchini*

11.30 a.m. **A touch of bitter chocolate: remote tactile priming in a blind taste test**  
*Suzy Styles*

11.45 a.m. **Tackling history effects in multisensory decisions**  
*Thomas Otto, Rebecca D'Souza*

12.00 p.m. **Neural bases of prediction of impact to the face of looming visual stimuli: a non-human primate FMRI study**  
*Justine Cléry, Olivier Guipponi, Soline Odouard,  
 Claire Wardak, Suliann Ben Hamed*

12.15 p.m. **Predicting the multisensory consequences of one's own action**  
*Bianca van Kemenade, Ezgi Arikani,  
 Benjamin Straube, Tilo Kircher*

12.30 p.m. **The temporal dynamics of mirroring others' tactile sensations: effects of type of touch, personality and self-relatedness**  
*Helge Gillmeister, Julia Adler*

12.30 p.m. **Cross-modal recalibration integrates local and global stimulus history**  
*Patrick Bruns, Brigitte Röder*

12.45 p.m. **Multisensory interactions during obstacle avoidance**  
*Chris Dijkerman, Rudmer Menger, Stefan van der Stigchel*

12.45 p.m. **Stimulus predictability modulates perceived tactile intensity**  
*Marieke Rohde, Nienke Debats, Marc Ernst*

**1.00 - 3.00 p.m. Lunch and Posters Session**

**3.00 - 5.00 p.m. Pacinotti Meeting Room**

**Symposium E: MULTISENSORY INTEGRATION IN SELF-MOTION PERCEPTION**

*Chaired by: Mark W. Greenlee*

3.00 p.m. Introduction

3.05 p.m. **Self-motion perception and visuo-vestibular-somatosensory interactions**  
*Mariia Kaliuzhna*

3.25 p.m. **Perisaccadic changes in perceived heading and their neural correlates**  
*Jan Churan*

**3.00 - 5.00 p.m. Fermi Meeting Room**

**Symposium F: THE CURIOUS INCIDENT OF ATTENTION IN MULTISENSORY INTEGRATION: BOTTOM-UP AND TOP-DOWN**

*Chaired by: Ruth Adam, Jess Hartcher-O'Brien, Salvador Soto-Faraco*

3.00 p.m. Introduction

3.05 p.m. **Motion-induced position shifts in auditory and visual modalities**  
*Hannah M. Krüger*

3.25 p.m. **Attention to sound improves auditory reliability in audio-tactile spatial optimal integration**  
*Tiziana Vercillo*

3.45 p.m. **Visual-vestibular integration of self-motion cues in the posterior insular cortex (PIC)**

*Mark W. Greenlee*

4.05 p.m. **Vestibular-motor integration during self-motion perception**

*Paul R. MacNeilage*

4.25 p.m. **Visual-vestibular interactions in the human cerebral cortex studied with FMRI**

*Andrew T. Smith*

4.45 p.m. Discussion

3.45 p.m. **Multisensory spatial priority maps in parietal cortex**

*Uta Noppeney*

4.05 p.m. **Crossmodal spatial interactions in naturalistic environments: behavioural, functional imaging and brain-lesion data**

*Emiliano Macaluso*

4.25 p.m. **An attentional account of the multisensory mind**

*Durk Talsma*

4.45 p.m. Discussion

**5.00 - 6.00 p.m. Posters Session and Drinks**

**6.00 - 7.00 p.m. PLENARY SESSION - AUDITORIUM GROUND FLOOR**

Cambridge Research Systems Lecture

*Invited Lecture: Olaf Blanke (École Polytechnique Fédérale de Lausanne)*

**Multisensory brain mechanisms of self-consciousness and visual consciousness**

*Introduced by Giulio Sandini*

**6.55 - 7.00 p.m. BRILL Best student poster award**

**8.00 - 11.30 p.m.**

**Social Dinner** at Chiostro del Carmine, Santa Maria del Carmine's Church  
(Corso Italia, 85 - Pisa City Center)

## Tuesday 16<sup>th</sup> June 2015

9.00 - 11.00 a.m.

Pacinotti Meeting Room

### Symposium G: BRAIN OSCILLATIONS IN MULTISENSORY INTEGRATION

*Chaired by: Vincenzo Romei, Marcello Costantini*

- 9.00 a.m. Introduction
- 9.05 a.m. **When sounds and sights inform each other - from early to late multisensory interactions**  
*Christoph Kayser*
- 9.25 a.m. **The role of prestimulus alpha oscillations in visual and tactile perception**  
*Tony Ro*
- 9.45 a.m. **Multisensory temporal binding window and ongoing brain activity: are they related?**  
*Marcello Costantini*
- 10.05 a.m. **Identifying objective measures of multisensory integration in space and time**  
Markus J. van Ackeren
- 10.25 a.m. **Resting GABA concentration in the superior temporal gyrus predicts gamma band oscillations and multisensory perception**  
*Daniel Senkowski*

9.00 - 11.00 a.m.

Fermi Meeting Room

### Symposium H: MULTIMODAL CONTRIBUTIONS TO BODY REPRESENTATION

*Chaired by: Elena Azañón, Luigi Tamè, Matthew R. Longo*

- 9.00 a.m. Introduction
- 9.05 a.m. **Multisensory processing of noxious stimuli in the normal and damaged brain**  
*Angelo Maravita*
- 9.25 a.m. **The visual perception of relative body proportions**  
*Sally A. Linkenauger*
- 9.45 a.m. **The hearing body: influences of audition on body representations**  
*Ana Tajadura-Jiménez*
- 10.05 a.m. **Vestibular contribution to self-representation**  
*Elisa Raffaella Ferrè*
- 10.25 a.m. **Mapping bodily space with touch**  
*Matthew R. Longo*

10.45 a.m. Discussion

10.45 a.m. Discussion

11.00 - 11.30 a.m. Coffee break

11.30 a.m. - 1.00 p.m. Pacinotti Meeting Room

Talks Session N.7: CROSS-MODAL INTEGRATION (2)

Chaired by: Roberto Arrighi

11.30 a.m. - 1.00 p.m.

Fermi Meeting Room

Talks Session N.8: TIME

Chaired by: Kyriaki Mikellidou

11.30 a.m. **What multisensory neurons learn during maturation determines what they integrate and which computation they use**  
*Benjamin Rowland, Jinghong Xu, Liping Yu, Barry Stein*

11.30 a.m. **Alpha neural activity in the somatosensory and visual cortices: effect of visual and proprioceptive incongruence during goal-directed hand movement**  
*Nicolas Lebar, Pierre Michel Bernier, Laurence Mouchnino, Jérémy Danna, Simon Moré, Jean Blouin*

11.45 a.m. **The stability and generalization of multisensory integration across time and space**  
*Brian Odegaard, Ladan Shams*

11.45 a.m. **Now you feel it, now you don't: role of pre-stimulus alpha oscillations in visual-tactile integration**  
*Donna Lloyd, Matt Craddock, Ellen Poliakoff, Wael El-Dereedy, Ekaterini Klepousniotou*

12.00 p.m. **Correlation detection as a general mechanism for multisensory integration**  
*Cesare Valerio Parise, Marc Ernst*

12.00 p.m. **Distinct patterns of local oscillatory activity and neural connectivity underlie intersensory attention and temporal orienting**  
*Julian Keil, Ulrich Pomper, Daniel Senkowski*

12.15 p.m. **A visual-tactile ventriloquist illusion**  
*Majed Samad, Ladan Shams*

12.15 p.m. **Backwards and forwards... in time: the effect of looming and receding dance steps on perceived duration**  
*Eleni Sgouramani, Argiro Vatakis*

12.30 p.m. **Dissociating vestibular and somatosensory contributions to spatial orientation**  
*Bart Alberts, Luc Selen, Giovanni Bertolini, Alexander Tarnutzer, Pieter Medendorp*

12.30 p.m. **Coarse resolution for auditory-tactile synchrony detection**  
*David Alais, Emily Orchard-Mills, Erik Van der Burg*

12.45 p.m. **Visual-auditory localisation in central and peripheral space**  
*Sara Garcia, Pete Jones, Gary Rubin, Marko Nardini*

12.45 p.m. **Spatiotopy-somatotopy alignment is multisensory and integrated**  
*Jean-Paul Noel, Daniel Ashmead, Mark Wallace*

**1.00 - 3.00 p.m. Lunch and Business Meeting**

**Pacinotti Meeting Room**

**3.00 - 5.00 p.m. Pacinotti Meeting Room**

**Symposium I: ABOVE THE MEAN - EXAMINING VARIABILITY IN MULTISENSORY PROCESSING**

*Chaired by: Sarah H. Baum, Mark Wallace*

3.00 p.m. Introduction

3.05 p.m. **Above the mean - examining variability in multisensory processing**  
*Mark Wallace*

**3.00 - 5.00 p.m. Fermi Meeting Room**

**Symposium J: THE MULTIFACETED INTERPLAY BETWEEN MULTISENSORY INTEGRATION AND CONSCIOUSNESS**

*Chaired by: Uta Noppeney*

3.00 p.m. Introduction

3.05 p.m. **Multisensory constraints on awareness**  
*Ophelia Deroy, Charles Spence*

3.25 p.m. **Intra-individual variability in behavioral and neural responses to simple audiovisual target detection**

*Sarah Baum*

3.45 p.m. **Response time variability under cross modal stimulation: effects of a time window of integration**

*Hans Colonius*

4.05 p.m. **Nobody's perfect. Tracking the imperfections in audiovisual integration**

*Antonia Thelen*

4.25 p.m. **Variability of speech acoustic features and their representation in superior temporal cortex**

*Cristiano Micheli*

4.45 p.m. Discussion

3.25 p.m. **Cross-modal interactions during binocular rivalry and underlying neural mechanisms**

*Claudia Lunghi*

3.45 p.m. **Multisensory integration and consciousness: beyond cross-modal priming**

*Nathan Faivre*

4.05 p.m. **Interactions across the senses in the emergence of multisensory consciousness**

*Mate Aller*

4.25 p.m. Discussion



## POSTER SESSIONS

(Sunday and Monday: 1.00 - 3.00 p.m. & 5.00 - 6.00 p.m.)

Posters will be displayed throughout the conference.

Even-numbered posters should be manned on Sunday morning and Monday afternoon;

Odd-numbered posters, Sunday afternoon and Monday morning.

### Poster session 1: Speech and language processing

- 1.1 SYNCHRONY DETECTION WITH AV SPEECH AND NON-SPEECH STIMULI - Davis Chris, Kim Jeesun
- 1.2 PHONETIC RECALIBRATION OF SPEECH; PARTIAL SPATIAL TRANSFER - Keetels Mirjam, Stekelenburg Jeroen, Vroomen Jean
- 1.3 NEURAL CORRELATES OF AUDITORY-SOMATOSENSORY INTERACTION IN SPEECH PERCEPTION - Ito Takayuki, Gracco Vincent, Ostry David
- 1.4 THE EFFECT OF SEMANTICS IN AUDIOVISUAL SPEECH SYNCHRONY PERCEPTION - Tsilionis Efthymios, Vatakis Argiro
- 1.5 EFFECTS OF A MOVIE OF SPEAKER'S IRRELEVANT SPEECH UTTERANCE ON RECALL TASKS - Ohtani Tomoko, Torai Shun, Sakamoto Shuichi, Suzuki Yoiti
- 1.6 LANGUAGE BACKGROUNDS TUNE CROSS-MODAL PERCEPTION BETWEEN LINGUISTIC PITCH AND SHAPE - Shang Nan, Styles Suzy
- 1.7 THE MCGURK EFFECT DOES NOT DEPEND ON PERCEPTUAL SYNCHRONY BETWEEN AUDIOVISUAL SIGNALS - Kitagawa Norimichi, Mochida Takemi, Kitamura Miho
- 1.8 ELECTROPHYSIOLOGICAL EVIDENCE FOR AUDIO-VISUO-LINGUAL SPEECH INTEGRATION - Vilain Coriandre, Treille Avril, Sato Marc
- 1.9 AN ASYNCHRONY BETWEEN BEAT GESTURES AND SPEECH AFFECTS LANGUAGE PROCESSING - Biau Emmanuel, Fernandez Luis Moris, Holle Henning, Avila César, Soto-Faraco Salvador
- 1.10 PREDICTIVE VISUAL MOTION FACILITATES SPEECH PERCEPTION - Brang David, Suzuki Satoru, Towle Vernon, Tao James, Wu Shasha, Grabowecy Marcia
- 1.11 SELECTIVE ADAPTATION OF VOCAL SUBJECTIVE SYNCHRONY - Kosuke Yamamoto, Hideaki Kawabata

### Poster session 2: Development, Pathology and Rehabilitation

- 2.12 EVIDENCE FOR AN ABNORMAL TEMPORAL WINDOW OF INTEGRATION IN ADHD: A STUDY ON INDIVIDUALS WITH HIGH AND LOW ADHD TRAITS - Panagiotidi Maria, Overton Paul, Stafford Tom
- 2.13 SUPRAMODAL SPATIAL REPRESENTATION REVEALED BY VISUAL-TO-AUDITORY SENSORY SUBSTITUTION - Pasqualotto Achille, Esenkaya Tayfun
- 2.14 VISUO-TACTILE INTEGRATION IN INDIVIDUALS WITH HIGH AND LOW AUTISTIC TRAITS - Masood Salik
- 2.15 ENHANCED CORTICAL CONNECTIVITY FOLLOWING WORKING MEMORY TRAINING – AN EEG STUDY IN CONGENITALLY BLIND INDIVIDUALS - Gudi Helene, Rimmele Johanna, Bruns Patrick, Engel Andreas K., Röder Brigitte

- 2.16** EXPLORING THE BENEFITS OF ACTION OBSERVATION MIRROR NEURONS PRIMING FOR POST-STROKE HEMIPARESIS REHABILITATIONS - Verfaillie Charlotte, Vandermeeren Yves, Legrain Valéry, Edwards Martin
- 2.17** LARGE-SCALE IMBALANCE IN THE BRAIN NETWORK CODING FOR AUDITORY MOTION INFORMATION INDUCED BY EARLY VISUAL DEPRIVATION - Rezk Mohamed Ahmed Tawfik, Dormal Giulia, Yakobov Esther, Lepore Franco, Collignon Olivier
- 2.18** EFFECT OF SHORT AUDITORY-MOTOR TRAINING ON SPATIAL LOCALIZATION IN BLIND - Finocchietti Sara, Cappagli Giulia, Gori Monica
- 2.19** MULTISENSORY INTEGRATION IN AUTISM SPECTRUM DISORDERS: IMPAIRED BINDING OR IMPAIRED TIMING? - Vatakis Argiro, Bakirtzi Venetia
- 2.20** THE ROLE OF AGE ON THE PERCEPTION OF TRAITS FROM YOUNGER AND OLDER VOICES AND FACES - Kiiski Hanni, Cullen Brendan, Clavin Sarah L., Newell Fiona N.
- 2.21** EFFECT OF A RUBBER HAND PRESENTATION ON VISUOTACTILE TEMPORAL ORDER JUDGMENT: ASSOCIATION WITH AUTISTIC TRAITS - Ide Masakazu, Wada Makoto
- 2.22** EFFECT OF A RUBBER HAND PRESENTATION ON VISUOTACTILE CROSS-MODAL DYNAMIC CAPTURES: ASSOCIATION WITH AUTISTIC TRAITS - Wada Makoto, Ide Masakazu
- 2.23** DETECTION OF TRAJECTORIES AT BIRTH: THE ROLE OF UNI- AND MULTISENSORY INFORMATION - Orioli Giulia, Filippetti Maria Laura, Farroni Teresa
- 2.24** ALTERED EVOKED BETA AND GAMMA BAND OSCILLATIONS DURING MULTISENSORY PROCESSING OF THE SOUND-INDUCED FLASH ILLUSION IN SCHIZOPHRENIA - Balz Johanna, Roa Romero Yadira, Keil Julian, Krebber Martin, Pomper Ulrich, Gallinat Juergen, Senkowski Daniel
- 2.25** NEUROMODULATION AVERTS PHANTOM PAIN AND REINSTATES THE DEPRIVED CORTEX TO THE SENSORIMOTOR SYSTEM - Kikkert Sanne, Mezue Melvin, O'Shea Jacinta, Henderson-Slater David, Tracey Irene, Beckmann Christian, Johansen-Berg Heidi, Makin Tamar
- 2.26** ASYMMETRICAL MEDICAL GENICULATE BODY VOLUME IN PEOPLE WITH ONE EYE - Moro Stefania, Kelly Krista, Mcketton Larissa, Steeves Jennifer
- 2.27** AUDIO-MOTOR FEEDBACK CALIBRATES BOTH AUDITORY AND HAPTIC SPACE IN VISUALLY IMPAIRED CHILDREN - Cappagli Giulia, Finocchietti Sara, Cocchi Elena, Gori Monica
- 2.28** REDUCED DYNAMIC VISUAL CAPTURE IN PEOPLE WITH ONE EYE - Steeves Jennifer, Moro Stefania, Tse Eugene
- 2.29** ENHANCEMENT OF VISUOTACTILE INTERACTION IN OLDER ADULTS WITH POORER SENSORIMOTOR FUNCTIONS: EVIDENCE FROM REDUNDANT TARGET EFFECTS - Teramoto Wataru, Honda Keito, Furuta Kento, Sekiyama Kaoru
- 2.30** MULTISENSORY EFFECTS ON SELF-FACE RECOGNITION IN ONE PATIENT WITH ACQUIRED PROSOPAGNOSIA - Cardini Flavia, Cardellicchio Pasquale, Hills Peter, Ashworth Fiona
- 2.31** THE EFFECT OF EXPANDED SENSORY RANGE VIA SENSORY SUBSTITUTION DEVICE ON THE CHARACTERISTICS OF VISIONLESS VIRTUAL NAVIGATION - Maidenbaum Shachar, Levy-Tzedek Shelly, Chebat Daniel Robert, Amedi Amir
- 2.32** THE ROLE OF DEVELOPMENT ON CROSS-MODAL INTERACTIONS IN OBJECT CATEGORISATION - Barrett Maeve M., Newell Fiona N.

- 2.33** VISUAL, AUDITORY, AND VISUO-AUDITORY EMOTION PERCEPTION IN CONGENITALLY, EARLY, AND LATE DEAF COCHLEAR IMPLANT USERS - Fengler Ineke, Villwock Agnes, Hoefer Maria, Lenarz Thomas, Roeder Brigitte
- 2.34** CATEGORISATION OF HANDS AND TOOLS IN AMPUTEES DEPENDS ON PROSTHETIC LIMB USAGE - van den Heiligenberg Fiona M. Z., Yeung Nick, Brugger Peter, Culham Jody C., Makin Tamar R.
- 2.35** PROSTHETIC LIMB USAGE RELATES TO ENHANCED VISUAL PROCESSING AND VISUO-MOTOR FUNCTIONAL CONNECTIVITY IN HAND-SELECTIVE CORTICAL REGIONS - Orlov Tanya, van den Heiligenberg Fiona M. Z., Duff Eugene P., Macdonald Scott, Henderson Slater David, Johansen-Berg Heidi, Culham Jody C., Makin Tamar R.
- 2.36** VISUAL BIAS DURING VISUO-PROPRIOCEPTIVE CONFLICT INCREASES WITH AGE - Ratcliffe Natasha, Greenfield Katherine, Newport Roger
- 2.37** RESHAPING SENSORY RELIANCE WHEN SENSORY SYSTEMS DECLINE: EFFECT OF AGING ON KINESTHESIA - Chancel Marie, Landelle Caroline, Blanchard Caroline, Felician Olivier, Guerraz Michel, Kavounoudias Anne
- 2.38** IMPAIRED AUDIO SPATIAL TUNING IN BLIND HUMANS: A BEHAVIOURAL AND ELECTROPHYSIOLOGICAL STUDY - Campus Claudio, Sandini Giulio, Gori Monica
- 2.39** HEARING BY EYE: DOES AUDITORY DEPRIVATION WEAKEN OR ENHANCE VISUAL SPEECH PERCEPTION? A PRELIMINARY STUDY IN ITALIAN PROFOUNDLY DEAF INDIVIDUALS - Benetti Stefania, Baruffaldi Francesca, Zonca Joshua, Rabini Giuseppe, Collignon Olivier
- 2.40** AUDIOVISUAL SENSORY BINDING AND SPATIAL LOCALIZATION IN AMBLYOPIA - Richards Michael, Goltz Herbert, Wong Agnes
- 2.41** THE ASSOCIATION BETWEEN AUTISM ASSOCIATED POLYMORPHISM ON CNTNAP2, BRAIN STRUCTURAL CONNECTIVITY AND MULTISENSORY SPEECH INTEGRATION - Ross Lars A., DeBene Victor A., Woo Young Jae, Molholm Sophie, Andreade Gizely, Abrahams Brett S., Foxe John J.
- 2.42** THE POSSIBLE ROLE OF SEROTONIN SIGNALING IN MULTISENSORY INTEGRATION: IMPLICATIONS FOR AUTISM - Siemann Justin, Muller Christopher, Forsberg Gunnar, Blakely Randy, Veenstra-Vanderweele Jeremy, Wallace Mark
- 2.43** A SYSTEM TO PROVIDE A USER AN ARTIFICIAL OCULOMOTOR FUNCTION TO CONTROL DIRECTIONS OF BOTH EYES INDEPENDENTLY BY USING NATURAL USER INTERFACE - Mizuno Fumio, Hayasaka Tomoaki, Yamaguchi Takami
- 2.44** THE MULTISENSORY SUBSTITUTION DEVICE: REPLACING VISION WITH MULTISENSORY PERCEPTION - Beaudry-Richard Alexandra, Harrar Vanessa, Auvray Malika, Spence Charles, Kupers Ron, Pfitto Maurice
- 2.45** ALTERED MULTISENSORY TEMPORAL BINDING WINDOW IN OBESITY - Costantini Marcello, Scarpina Federica, Migliorati Daniele, Mauro Alessandro, Marzullo Paolo
- 2.46** SUCCESSFUL USE OF THE EYEMUSIC, VISUAL-TO-AUDITORY SENSORY SUBSTITUTION DEVICE, BY BLIND ADULTS IN NOISY ENVIRONMENTS – Galit Buchs, Benedetta Heimler, Amir Amedi
- 2.47** CROSS-MODAL TIME PERCEPTION, VISUAL NUMBER AND ATTENTION IN VERY LOW BIRTH WEIGHT CHILDREN - Anobile Giovanni, Tinelli Francesca, Gori Monica, Aagten-Murphy David, Bartoli Mariaelisa, Burr David, Cioni Giovanni, Morrone Maria Concetta

- 2.48 REDUCED RAPID AUDIOVISUAL RECALIBRATION IN AUTISM SPECTRUM DISORDER - Turi Marco, Karaminis Themelis, Pellicano Elizabeth, Burr David
- 2.49 SHORT-TERM MONOCULAR DEPRIVATION MODULATES EARLY VISUO-HAPTIC INTERACTIONS DURING BINOCULAR RIVALRY - Lo Verde Luca, Morrone Maria Concetta, Lunghi Claudia
- 2.50 PERCEPTION OF GRASPING BIOLOGICAL MOVEMENT IN CHILDREN WITH TYPICAL DEVELOPMENT AND WITH CEREBRAL PALSY - Tinelli Francesca, Cioni Giovanni, Sandini Giulio, Morrone Maria Concetta
- 2.51 SUPRAMODAL MIRROR AGNOSIA IN PATIENTS WITH PERIVENTRICULAR LEUKOMALACIA - Castaldi Elisa, Tinelli Francesca, Cicchini Guido Marco, Biagi Laura, Morrone Maria Concetta
- 2.52 MIRROR-TOUCH SYNAESTHESIA AFTER BRAIN DAMAGE - Garbarini Francesca, Falchero Monica, Fossataro Carlotta, Rossetti Angela, Gindri Patrizia, Vallar Giuseppe, Bolognini Nadia
- 2.53 SUPRANORMAL VISUAL ATTENTION IN SOMATOSENSORY-IMPAIRED SUBJECTS - Sarlegna Fabrice, Miall Chris, Hofert Thibault, Cole Jonathan, Matonti Frederic
- 2.54 MULTISENSORY CORTICAL INTEGRATION IN PATIENTS WITH HEREDITARY CONE DYSTROPHY - Crespi Sofia, Triolo Giacinto, Bandello Francesco, Bianchi Marzoli Stefania, Falini Andrea, Morrone Maria Concetta

### Poster session 3: Body, Action and Touch

- 3.55 MEASURING VISUAL SELF-AGENCY - Gregori Grgic Regina, Crespi Sofia, de' Sperati Claudio
- 3.56 ACTION AS A UNIFIER OF PERCEPTUAL EXPERIENCE - Desantis Andrea, Haggard Patrick
- 3.57 IRRELEVANT TACTILE STIMULATION BIASES VISUAL EXPLORATION - Ossandón José Pablo, König Peter, Heed Tobias
- 3.58 TACTILE SUPPRESSION WHEN REACHING TO VISUAL AND PROPRIOCEPTIVE TARGETS - Voudouris Dimitris, Fiehler Katja
- 3.59 FEELING OF BODY OWNERSHIP CHANGES INTEROCEPTIVE ACCURACY - Filippetti Maria Laura, Tsakiris Manos
- 3.60 EFFECTOR MOVEMENT INFLUENCES THE REFERENCE FRAMES FOR PROPRIOCEPTIVE REACH TARGETS - Mueller Stefanie, Fiehler Katja
- 3.61 THE EFFECT OF DELAYED VISUAL FEEDBACK ON `ROBOT` HAND ILLUSION: A NEAR-INFRARED SPECTROSCOPY STUDY - Ismail Mohamad Arif Fahmi, Sotaro Shimada
- 3.62 GHOSTS EXPERIENCE INDUCED BY ROBOTIC SENSORIMOTOR CONFLICTS - Rognini Giulio, Pozeg Polona, Serino Andrea, Bleuler Hannes, Blanke Olaf
- 3.63 DOES THE VESTIBULAR SYSTEM PLAY A ROLE IN PERCEIVED HAND POSITION? - Fraser Lindsey E., Harris Laurence R.
- 3.64 BETWEEN SELF AND OTHER IN MOTOR CONTROL - Asai Tomohisa
- 3.65 FACE SIZE PERCEPTION IN HEALTHY ADULTS DEPENDS ON ORIENTATION - D'Amour Sarah, Harris Laurence R.
- 3.66 INVESTIGATING SELF VS. OTHER BODY PERCEPTION WITH THE BODY-SPECIFIC N190 COMPONENT - Groves Katie, Kennett Steffan, Gillmeister Helge

- 3.67 DOES GAZE POSITION ATTRACT OR SHIFT TOUCH LOCALIZATION? DATA FROM THREE RESPONSE METHODS - Pritchett Lisa M., Harris Laurence R.
- 3.68 VISUAL FIRST-PERSON PERSPECTIVE EMBEDDED IN THE KNEE ALTERS THE PERCEPTION OF CUTANEOUS PATTERNS - Hiromitsu Kentaro, Midorikawa Akira
- 3.69 MULTISENSORY COUPLING IN TOOL-USE - Debats Nienke, Heuer Herbert, Ernst Marc
- 3.70 REACHING IS BELIEVING: THE ROLE OF LIMB-TARGET REGULATIONS PROCESSES IN AUDIOVISUAL PERCEPTION DURING ACTION - Manson Gerome, Manzone Damian, Blouin Jean, Tremblay Luc
- 3.71 THE EFFECTS OF MULTISENSORY CUES ON THE SENSE OF PRESENCE AND ON THE HUMAN TASK PERFORMANCE IN VIRTUAL REALITY ENVIRONMENT - Cooper Natalia
- 3.72 MULTISENSORY MANIPULATION OF BODILY SELF-CONSCIOUSNESS AFFECTS HIGH-LEVEL PROCESSING - Canzoneri Elisa, Di Pellegrino Giuseppe, Herbelin Bruno, Blanke Olaf, Serino Andrea
- 3.73 LATERALITY AND BODY OWNERSHIP: EFFECT OF HANDEDNESS ON EXPERIENCE OF THE RUBBER HAND ILLUSION - Smit Miranda, van der Ham Ineke, Kooistra Dagmar, Dijkerman Chris
- 3.74 EXAMINING SPATIAL AND MOTOR CONGRUENCE IN A MIRROR BOX ILLUSION - Liu Yuqi, Medina Jared
- 3.75 VISUAL INTERFERENCE AND SUBTYPES OF MIRROR-TOUCH SYNESTHESIA - Medina Jared, DePasquale Carrie
- 3.76 TO SUP WITH A LARGE SPOON: AN ILLUSION OF VISCOSITY WITH A TOOL - Piffera Dario, Di Luca Massimiliano
- 3.77 CUE-DEPENDENT EFFECT OF ACTIVE HAND MOVEMENT ON VISUALLY PERCEIVED DEPTH - Umemura Hiroyuki
- 3.78 THE EFFECT OF HAND POSITION ON TACTILE SPATIAL PERCEPTION - Kao Kai-Ling, French Blandine, Hwang Faustina, Holmes Nick
- 3.79 MAPPING NOCICEPTIVE STIMULI USES LIMB-CENTERED PERIPERSONAL FRAMES OF REFERENCE - Legrain Valéry, De Paepe Annick, Crombez Geert
- 3.80 IS THE VESTIBULAR SYSTEM INVOLVED IN UPDATING THE PERCEIVED LOCATION OF TACTILE STIMULI? - El-zein Yasmeeh, Harris Laurence R.
- 3.81 VISUO-HAPTIC SLANT MATCHING IN FRONT AND REAR PERIPERSONAL SPACE - Liu Juan, Ando Hiroshi

#### Poster session 4: Plasticity, Learning and Recalibration

- 4.82 CROSS-MODAL TEMPORAL STATISTICAL LEARNING RECALIBRATES PERCEPTION OF VISUAL APPARENT MOTION - Chen Lihan
- 4.83 PREDICTIVE CODING OF VISUAL-AUDITORY AND MOTOR-AUDITORY EVENTS: AN ELECTROPHYSIOLOGICAL STUDY - Stekelenburg Jeroen, Vroomen Jean
- 4.84 AUDIOVISUAL CONGRUENCY INCREASES EXPLICIT LEARNING IN A SERIAL REACTION TIME TASK - Silva Andrew, Barakat Brandon, Jimenez Luis, Shams Ladan

- 4.85** VISUOMOTOR TEMPORAL RECALIBRATION LEADS TO SENSE OF AGENCY BUT NOT TO BODY-OWNERSHIP - Imaizumi Shu, Asai Tomohisa
- 4.86** TEMPORAL RECALIBRATION OF AUDITORY-MOTOR SIMULTANEITY AFTER IMITATION OF OTHER'S MOVEMENT - Tabata Atsushi, Ogawa Kenichiro, Ogata Taiki, Miyake Asuka Miyake Yoshihiro
- 4.87** RAPID FUNCTIONAL AND STRUCTURAL CEREBRAL CHANGES IN RESPONSE TO MULTI-SENSORY, MUSICAL TRAINING - Meyer Georg, Spray Amy, Pobric Gorana, Beer Anton, Greenlee Mark W.
- 4.88** ELECTROPHYSIOLOGICAL CORRELATES OF THE EFFECTS INDUCED BY AN AUDIO-VISUAL TRAINING ON HEALTHY PARTICIPANTS - Grasso Paolo Antonino, Bertini Caterina, Benassi Mariagrazia, Lädavas Elisabetta
- 4.89** MIND THE GAP! DISTANCE AFTEREFFECT IN PASSIVE TOUCH - Calzolari Elena, Azañón Elena, Vallar Giuseppe, Longo Matthew R.
- 4.90** THE MOTOR-VISUAL TEMPORAL RECALIBRATION DEPENDS UPON AWARENESS OF TEMPORAL LAGS - Tsujita Masaki, Ichikawa Makoto
- 4.91** ASYMMETRICAL CROSS-TALK BETWEEN A MOTOR-VISUAL AND A MOTOR-AUDITORY TEMPORAL RECALIBRATION - Sugano Yoshimori, Keetels Mirjam, Vroomen Jean
- 4.92** TRANSFER OF TACTILE PERCEPTUAL LEARNING TO UNTRAINED NEIGHBOURING FINGERS REFLECTS NATURAL USE RELATIONSHIPS - Dempsey-Jones Harriet, Harrar Vanessa, Oliver Jonathan, Johansen-Berg Heidi, Spence Charles, Makin Tamar R.
- 4.93** MULTISENSORY PRIMING: SERIAL EFFECTS IN SIMPLE REACTION TIMES TOWARDS AUDIOVISUAL ASYNCHRONIES - Horr Ninja Katja, Di Luca Massimiliano
- 4.94** STATISTICAL LEARNED HELPLESSNESS IN HUMANS - Glicksohn Arit, Magen Hagit, Cohen Asher
- 4.95** ADAPTATION TO HAPTIC SURFACE ORIENTATION: COMBINING INFORMATION ACROSS EXPLORATION MODES - Glowania Catharina, van Dam Loes, Plaisier Myrthe, Ernst Marc

### Poster session 5: Space, Time and Motion

- 5.96** EVIDENCE FOR TIME DIVISION MULTIPLEXING OF MULTIPLE ITEMS IN AN AUDITORY CODING BOTTLENECK - Caruso Valeria, Lee Jungah, Pages Daniel, Estrada Rolando, Tokdar Surya, Groh Jennifer
- 5.97** EVOLUTION OF A REFERENCE FRAME ALONG A BRAIN PATHWAY: PERSISTENTLY HYBRID COORDINATES OF AUDITORY SIGNALS IN FRONTAL EYE FIELDS IMPLICATE THE SUPERIOR COLLICULUS IN COMPUTING EYE-CENTERED SOUND LOCATION - Caruso Valeria, Pages Daniel, Sommer Marc, Groh Jennifer
- 5.98** PASSIVE HORIZONTAL ROTATION AFFECTS SOUND LOCALIZATION ACUITY AT THE SUBJECTIVE FRONT - Honda Akio, Masumi Yoji, Suzuki Yôiti, Sakamoto Shuichi
- 5.99** SENSORIMOTOR SYNCHRONIZATION WHEN WALKING SIDE BY SIDE WITH A POINT LIGHT WALKER - Noy Dominic, Mouta Sandra, Lamas João, Basso Daniel, Silva Janete, Santos Jorge Almeida
- 5.100** BIMODAL INFORMATION INCREASES SPONTANEOUS INTERPERSONAL SYNCHRONIZATION OF GOAL DIRECTED UPPER LIMB MOVEMENTS - Noy Dominic, Mouta Sandra, Lamas João, Santos Jorge Almeida

- 5.101** PERIPERSONAL SPACE CAN IMPLICITLY MODULATE OUR PREFERENCE TOWARDS SOUNDS - Kitamura Miho, Tajadura-Jiménez Ana, Kitagawa Norimichi
- 5.102** SELF-MOTION EVOKED FROM THE FAR PERIPHERY - McManus Meaghan, Harris Laurence R.
- 5.103** EFFECTS OF VOLUNTARY MOVEMENTS ON SIMULTANEOUS PERCEPTION OF AUDITORY AND TACTILE STIMULI PRESENTED ON NON-MOVING BODY SITE - Hao Qiao, Ogata Taiki, Ogawa Ken-ichiro, Miyake Yoshihiro
- 5.104** TIME LOADING...THE EFFECTS OF ATTENTIONAL LOAD ON DURATION JUDGMENTS - Chandridi Georgia Anna, Vatakis Argiro
- 5.105** IMPACT PREDICTION BY LOOMING VISUAL STIMULI ENHANCES TACTILE DETECTION IN HUMANS - Ben Hamed Sulian, Cléry Justine, Guipponi Olivier, Odouard Soline, Wardak Claire
- 5.106** THREAT MODULATES NEURAL RESPONSES TO LOOMING VISUAL STIMULI - Vagnoni Eleonora, Lourenco Stella F., Longo Matthew R.
- 5.107** TEMPORAL FREQUENCY MODULATES AUDITORY SPEED PERCEPTION - Senna Irene, Parise Cesare Valerio, Ernst Marc
- 5.108** KNOW THY SOUND: PERCEIVING SELF AND OTHERS IN MUSICAL CONTEXTS - Sevdalis Vassilis
- 5.109** AUDIOVISUAL POINT OF SUBJECTIVE SIMULTANEITY (PSS) REFLECTS CUE INTEGRATION UNDER PERCEPTUAL UNCERTAINTY RATHER THAN MODALITY SPECIFIC PERCEPTUAL LATENCY: EVIDENCE FROM ELECTROPHYSIOLOGICAL SOURCE-ANALYSIS (LORETA) - Boenke Lars T., Alais David, Ohl Frank W.
- 5.110** INVESTIGATING CROSSMODAL INFLUENCE BETWEEN NOCICEPTION AND VISION USING TEMPORAL ORDER JUDGMENTS - Filbrich Lieve, Alamia Andrea, Burns Soline, Legrain Valéry
- 5.111** NEURAL CORRELATES OF MULTISENSORY TEMPORAL ACUITY - Simon David, Thelen Antonia, Wallace Mark
- 5.112** DISTORTIONS OF PERCEIVED TIMING IN REGULAR SEQUENCES - Li Min, Darren Rhodes, Di Luca Massimiliano
- 5.113** TRANSACCADIC SPATIAL STABILITY AND PRESACCADIC PERCEPTION – Binda Paola, Cicchini Guido Marco, Burr David, Morrone Maria Concetta
- 5.114** SPATIOTOPIC MAPS DURING HEAD TILT - Mikellidou Kyriaki, Turi Marco, Cicchini Guido Marco, Burr David
- 5.115** AUDIO-VISUAL TEMPORAL-ORDER JUDGMENT REVEALS RHYTHMIC OSCILLATIONS IN TEMPORAL BIAS - Benedetto Alessandro, Morrone Maria Concetta, Burr David
- 5.116** AUDITORY EVENTS NEAR TARGET APPEARANCE MODULATE SACCADDE ONSET, NOT VISUAL EVENTS - Vidal Manuel, Galletti Marion, Madelain Laurent
- 5.117** SIMULTANEITY JUDGMENTS IN THE CONTEXT OF AN ACTION OUTCOME - Arıkan Belkis Ezgi, van Kemenade Bianca, Straube Benjamin, Kircher Tilo
- 5.118** BEHAVIORAL EVIDENCE OF A SHARED NUMEROSITY REPRESENTATION BETWEEN PERCEPTION AND MOTOR SYSTEMS - Togoli Irene, Anobile Giovanni, Arrighi Roberto, Burr David
- 5.119** EFFECTS OF MOTION DURATION ON CAUSAL INFERENCE IN MULTISENSORY HEADING ESTIMATION - de Winkel Ksander, Buellhoff Heinrich

- 5.120 AUDIOVISUAL SIMULTANEITY IN A TIME TO COME - Fornaciai Michele, Di Luca Massimiliano
- 5.121 ASSESSMENT OF AUDITORY SENSITIVITY BY MEANS OF TARGET TRACKING - Grillini Alessandro, Arrighi Roberto, Cicchini Guido Marco, Burr David
- 5.122 CHANGES IN PERCEIVED VISUAL TIME DURING RHYTHMIC MOTOR BEHAVIOR - Tomassini Alice, Vercillo Tiziana, Morrone Maria Concetta
- 5.123 THE FLASHED FACE DISTORTION EFFECT OCCURS ONLY WHEN DIFFERENT IDENTITIES ARE DISPLAYED - Burr David, Taubert Jessica, Alais David
- 5.124 OPTIMAL RANGE OF MULTIMODAL INTEGRATION IN PERCEIVING DIRECTION OF SELF-MOTION FROM VISUAL AND VESTIBULAR STIMULATION - Tachibana Ryo, Beaudot William, Sakurai Kenzo
- 5.125 VISUAL LANDMARK DISPLACEMENTS ACROSS SACCADES ALSO SHIFT AUDITORY LOCALISATION - Aagten-Murphy David, Szinte Martin, Deubel Heiner

### Poster session 6: Cross-modal integration

- 6.126 SELECTIVE INFLUENCE ON MULTISENSORY ENHANCEMENT UNDER LOAD CONDITIONS - Yue Zhenzhu
- 6.127 MULTISENSORY GAIN: BEHAVIOURAL INVERSE EFFECTIVENESS OR STOCHASTIC RESONANCE? - Sellis Markos, Beskow Jonas, Salvi Giampiero, Vatakis Argiro
- 6.128 SALIENCE EFFECTS CROSSMODAL INTERACTIONS (I): AUDITORY SALIENCE SWITCHES CROSSMODAL INTERACTIONS FROM BENEFICIAL TO DETRIMENTAL - Ciaramitaro Vivian Maria, Chow Hiu Mei
- 6.129 PUPIL DILATION: A NOVEL ECOLOGICAL MEASURE FOR MULTISENSORY INTEGRATION? A PRELIMINARY REPORT - Rigato Silvia, Rieger Gerulf, Romei Vincenzo
- 6.130 VISUO-HAPTIC AND HAPTIC-HAPTIC LOCATION MATCHING ARE CONSISTENT OVER TIME - Kuling Irene, Brenner Eli, Smeets Jeroen
- 6.131 VISUAL AND TACTILE ATTENTIONAL RESOURCES ARE SHARED IN SUSTAINED SPATIAL TASKS AND HIGH ATTENTIONAL LOAD DOES NOT DISRUPT VISUOTACTILE INTEGRATION - Wahn Basil, König Peter
- 6.132 SALIENCE AFFECTS CROSSMODAL INTERACTIONS (II): ARE VISUAL AND AUDITORY SALIENCE EQUALLY EFFECTIVE AT SWITCHING CROSSMODAL INTERACTIONS FROM BENEFICIAL TO DETRIMENTAL? - Chow Hiu Mei, Ciaramitaro Vivian Maria
- 6.133 FREQUENCY-DEPENDENT MULTISENSORY INTERACTIONS IN THE PERIPHERY - Zweig L. Jacob, Suzuki Satoru, Grabowecy Marcia
- 6.134 AUDITORY PINOCCHIO: RISING PITCH INDUCES FELT ELONGATION OF FINGER - Vakali Maria, Tajadura-Jimenez Ana, Mandrigin Alisa, Fairhurst Merle, Deroy Ophelia
- 6.135 RELIABILITY BASED REWEIGHTING OF VISUAL AND VESTIBULAR CUES DURING AMPLITUDE DISCRIMINATION - ter Horst Arjan C., Koppen Matthieu, Selen Luc P.J., Medendorp W. Pieter
- 6.136 THE EFFECTS OF VISUAL INFORMATION THAT CLAPPING HANDS ON LOUDNESS DISCRIMINATION - Kang Yoonbum, Wake Hiromi, Saida Shinya



- 6.137 THE ROLE OF PRESTIMULUS OSCILLATORY POWER AND FUNCTIONAL CONNECTIVITY IN THE SOUND-INDUCED FLASH ILLUSION - Kaiser Mathis, Balz Johanna, Senkowski Daniel, Keil Julian
- 6.138 MATURATION OF MULTISENSORY INTEGRATION IN TRISENSORY NEURONS: A NEUROCOMPUTATIONAL STUDY - Cuppini Cristiano, Stein Barry, Rowland Benjamin, Magosso Elisa, Ursino Mauro
- 6.139 SENSORY DEGRADATION, BUT NOT PERCEPTUAL LOAD, IMPACTS CROSS-MODAL SELECTIVE ATTENTION - Sandhu Raj, Dyson Benjamin
- 6.140 SOUND HELPS TO RESCUE UNAWARE VISUAL INFORMATION TO AWARENESS VIA CROSS-MODAL BOTTOM-UP ATTENTIONAL CAPTURE - Pápai Márta Szabina, Soto-Faraco Salvador
- 6.141 MULTISENSORY TOP-DOWN SETS: EVIDENCE FOR CONTINGENT CROSSMODAL CAPTURE - Mast Frank, Frings Christian, Spence Charles
- 6.142 VISUOHAPTIC INTEGRATION IN PERCEPTION OF MÜLLER-LYER FIGURES: A COMPARISON OF RESPONSE METHODS - Woodland Jennifer
- 6.143 MODALITY-SPECIFIC ATTENTION MODULATES THE VENTRILOQUIST ILLUSION - Mihalik Agoston, Noppeney Uta
- 6.144 THE RACE FOR FOOD: RESPONSE FACILITATION IN VISUAL-OLFACTORY STIMULATION - Höchenberger Richard, Busch Niko, Ohla Kathrin
- 6.145 CORTICAL ENTRAINMENT TO THE SPEECH ENVELOPE DURING AUDIOVISUAL SPEECH PROCESSING: A CORRELATED AND COMPLEMENTARY MODE PERSPECTIVE - Crosse Michael J., Lalor Edmund C.
- 6.146 HEARING THROUGH YOUR EYES: THE VISUALLY-EVOKED AUDITORY RESPONSE - Fassnidge Christopher, Ceconi Marcotti Claudia, Synøve Knudsen, Freeman Elliot D.
- 6.147 UNCERTAINTY IN NAVIGATION: OPTIMAL INTEGRATION OF LANDMARK AND PROPRIOCEPTIVE INFORMATION? - Jetzschke Simon, Bödeker Norbert, Ernst Marc
- 6.148 OLFACTORY RECEPTORS IN THE EYE - Harrar Vanessa, Bouskila Joseph, Bouchard Jean François, Pito Maurice
- 6.149 BIASED MEMORY DEPENDING ON STATISTICAL RELATIONSHIP IN CROSS-MODAL EXPERIENCES - Banno Hayaki, Sato Nobuya
- 6.150 AUDIOVISUAL DISTANCE PERCEPTION: SENSORY WEIGHTS AND WINDOWS OF INTEGRATION - Mandelli Pietro, Mendonça Catarina
- 6.151 ATTENTION INFLUENCES THE VENTRILOQUIST ILLUSION - Cottrell David, Cassidy Jethro

### Poster session 7: Neural Substrates

- 7.152 IN SEARCH OF NEURAL CORRELATES OF AUDIO-VISUAL BINDING - Maddox Ross K., Lee Adrian K.C.
- 7.153 WIDESPREAD INFLUENCE OF EYE DOMINANCE ON VISUO-MOTOR TRANSFORMATIONS: EVIDENCES FROM BEHAVIORAL AND ELECTROPHYSIOLOGICAL STUDIES - Chaumillon Romain, Blouin Jean, Alahyane Nadia, Senot Patrice, Vergne Judith, Lemoine Christelle, Doré-Mazars Karine, Vergilino-Perez Dorine, Guillaume Alain

- 7.154** NEURAL MECHANISMS OF RELIABILITY-BASED CUE WEIGHTING DURING AUDIOVISUAL INTEGRATION - Boyle Stephanie, Kayser Christoph
- 7.155** TOWARD AN OBJECTIVE MEASURE OF AUDIO-VISUAL INTEGRATION USING STEADY-STATE RESPONSES RECORDED WITH MAGNETOENCEPHALOGRAPHY - Barbero Francesca, van Ackeren Markus J., Collignon Olivier
- 7.156** NEURAL CORRELATES OF PROCESSING OF PATH DIRECTION DURING WALKING USING ECHOLOLOCATION - Fiehler Katja, Schütz Immo, Meller Tina, Thaler Lore
- 7.157** SEEING OUR OWN VOICE: AN ELECTROPHYSIOLOGICAL STUDY OF AUDIOVISUAL SPEECH INTEGRATION DURING SELF PERCEPTION - Treille Avril, Vilain Coriandre, Kandel Sonia, Sato Marc
- 7.158** THE NEURAL BASIS OF CULTURAL DIFFERENCES IN EMOTION PERCEPTION FROM FACIAL AND VOCAL EXPRESSIONS - Takagi Sachiko, Harada Tokiko, Sadato Norihiro, Huis In 't Veld Elisabeth, de Gelder Beatrice, Hamano Yuki, Tabei Ken-ichi, Tanaka Akihiro
- 7.159** IS SENSORIMOTOR COUPLING A SEQUENCE OF MODULAR ACTIVATIONS OR A UNIFIED PROCESS? - Melnik Andrew, König Peter
- 7.160** WHITE MATTER CONNECTIONS OF THE VESTIBULAR AND VISUAL-VESTIBULAR INSULAR CORTEX - Wirth Anna Maria, Frank Sebastian Martin, Beer Anton Ludwig, Greenlee Mark W.
- 7.161** CONNECTIONS BETWEEN PRIMARY AUDITORY AND PRIMARY VISUAL CORTICES: DIFFUSION MRI EVIDENCE - Plass John, Zweig Lawrence Jacob, Brang David, Suzuki Satoru, Grabowecky Marcia
- 7.162** MULTISENSORY INTEGRATION USING PERITHRESHOLD DYNAMIC STIMULI - Regenbogen Christina, Johansson Emilia, Andersson Patrik, Finkelmeyer Andreas, Lundström Johan N.
- 7.163** SALIENT SOUNDS ELICIT LATERALIZED DECREASES IN THE OCCIPITAL ALPHA RHYTHM THAT PREDICT VISUAL DISCRIMINATION ACCURACY - Feng Wenfeng, Störmer Viola, Martinez Antígona, McDonald John, Hillyard Steven
- 7.164** ACTIVATION OF VISUAL CORTEX BY SALIENT SOUNDS: NOT AUTOMATIC - Retsa Chrysa, Matusz Pawel, Murray Micah
- 7.165** CORTICAL RESPONSES TO CONGRUENT AND INCONGRUENT MULTISENSORY CUES FOR OBJECTS ON A COLLISION PATH WITH THE OBSERVER - Billington Jac, Wann John
- 7.166** EXPLORING VISUO-TACTILE CROSSMODAL ATTENTION USING THE FREQUENCY-TAGGING OF STEADY-STATE EVOKED POTENTIALS - De Keyser Roxane, Mouraux André, Nozaradan Sylvie, Legrain Valéry
- 7.167** MULTISENSORY EFFECTS IN SUPERIOR COLLICULUS AS EMERGENT PROPERTY OF THE CORTICAL DECISION MAKING CIRCUITRY: A COMPUTATIONAL STUDY - Daemi Mehdi, Crawford Douglas
- 7.168** ALTERED VISUAL FEEDBACK MODULATES CORTICAL EXCITABILITY IN A MIRROR-BOX-LIKE PARADIGM - Russo Cristina, Senna Irene, Parise Cesare Valerio, Ferrario Irene, Bolognini Nadia
- 7.169** CROSSMODAL EFFECTS ON LOCATION SPECIFIC REPETITION SUPPRESSION OF EEG RESPONSES TO SOUNDS - Shrem Talia, Deouell Leon Y.
- 7.170** ALTERNATIVES IN SENSORY INTEGRATION DURING NREM SLEEP INVESTIGATED BY MEANS OF HD-EEG - Menicucci Danilo, Laurino Marco, Piarulli Andrea, Mastorci Francesca, Allegrini Paolo, Gemignani Angelo

- 7.171** INDIVIDUAL DIFFERENCES IN PERIPERSONAL SPACE DERIVE FROM INTER-TRIAL VARIABILITY OF BOLD RESPONSE - Ferri Francesca, Costantini Marcello, Huang Zirui, Perrucci Gianni, Ferretti Antonio, Romani Gian Luca, Northoff Georg
- 7.172** DIGITIZING THE ELECTROPHYSIOLOGICAL N1 AND P2 TO REVEAL GENERAL EFFECTS OF AUDIOVISUAL SPEECH INTEGRATION - Baart Martijn
- 7.173** EXTRACTION OF REAL OBJECT AND SELF MOTION INFORMATION DURING NATURAL VISION IN THE HUMAN DORSAL STREAM – Serra Chiara, Galati Gaspare, Sepe Rosamaria, Committeri Giorgia, de Pasquale Francesco, Fattori Patrizia, Galletti Claudio, Pitzalis Sabrina
- 7.174** DIFFERENT PRE-STIMULUS BRAIN ACTIVITY IN VISUAL AND AUDITORY DISCRIMINATION TASKS - Berchicci Marika, Bianco Valentina, Spinelli Donatella, Di Russo Francesco
- 7.175** MULTISENSORY INTEGRATION AND EXCITATION-INHIBITION. INTERPLAY BETWEEN GENETIC, BIOCHEMICAL AND NEURAL MARKERS - Ferri Francesca, Costantini Marcello, Edden Richard, Ferretti Antonio, Gatta Valentina, Huang Zirui, Moon Qiang, Nikolova Yuliya, Perrucci Mauro Gianni, Romani Gian Luca, Sibille Etienne, Stuppia Liborio, Northoff Georg
- 7.176** NEURAL SUBSTRATES OF EARLY DATA REDUCTION IN THE VISUAL SYSTEM - Dinarelli Oscar, Del Viva Maria Michela
- 7.177** NEURAL INTEGRATION OF TRIMODAL SENSORY STIMULI: MORE IS BETTER - Lundstrom Johan, Regenbogen Christina, Porada Danja, Frieherl Jessica
- 7.178** SNIFFING OUT A VISUAL THREAT - Gordon Amy, Regenbogen Christina, Olsson Mats, Lundström Johan
- 7.179** CATEGORICAL RESPONSES TO OBJECT SOUNDS BUT NOT TO VOICES IN THE OCCIPITO-TEMPORAL CORTEX OF EARLY BLIND INDIVIDUALS - Dormal Giulia, Pelland Maxime, Lepore Franco, Collignon Olivier
- 7.180** INTRACRANIAL EEG RECORDINGS IN HUMANS REVEAL FREQUENCY SPECIFIC MULTISENSORY INTEGRATION IN PRIMARY AUDITORY AND VISUAL CORTICES - Ferraro Stefania, Van Ackeren Markus J., Mai Roberto, Tassi Laura, Bruzzone Maria Grazia, Hartmann Thomas, Weisz Nathan, Collignon Olivier
- 7.181** EFFECTS OF HAND AND GAZE LOCATION ON MOTOR EVOKED POTENTIAL - Coslett Branch H., de Wit Matthieu, Faseyitan Olufunsho K.

### Poster session 8: Higher Level Functions and Emotion

- 8.182** THE EFFECT OF PSEUDO-WORD LABELS ON THE PERCEPTION OF MINERAL WATER - Rizzo Paola, Maggioni Emanuela, Gallace Alberto
- 8.183** TASK DEPENDENT AUDITORY SPATIAL IMPROVEMENT AND VISUAL ENVIRONMENTAL OBSERVATION - Tonelli Alessia, Brayda Luca, Gori Monica
- 8.184** HAND POSTURE ALTERS PERCEIVED FINGER NUMEROSITY - Tamè Luigi, Dransfield Elanah, Longo Matthew R.
- 8.185** THE EFFECTS OF VIBRATION AND SOUND ON COMFORT AND TASK PERFORMANCE - Aldridge Max, Meyer Georg, White Mark
- 8.186** THE COGS (CONTEXT-OBJECT-GOALS) FRAMEWORK FOR MULTISENSORY PROCESSING - Matusz Pawel

- 8.187 GROUPING BY PROXIMITY FACILITATES HAPTIC ENUMERATION OVER THE FINGERS - Overvliet Krista, Plaisier Myrthe
- 8.188 VISUAL, HAPTIC, AND EMOTIONAL CATEGORIZATION - Blazhenkova Olesya, Pasqualotto Achille
- 8.189 AUDITORY-VISUAL FEARFUL STIMULI AMPLIFY NEGATIVE FEELINGS AS A FUNCTION OF THEIR DISTANCE TO THE PERCEIVER - Taffou Marine, Ondrej Jan, O'Sullivan Carol, Warusfel Olivier, Dubal Stéphanie, Viaud-Delmon Isabelle
- 8.190 SEEING AND TOUCHING VIRTUAL TEXTURES: A STUDY ON TACTILE HEDONIC PERCEPTION - Etzi Roberta, Ferrise Francesco, Bordegoni Monica, Gallace Alberto
- 8.191 CHARACTERIZING PROTOTYPE EFFECTS ON SPATIAL MEMORY - Azañón Elena, Siromahov Metodi, Longo Matthew R.
- 8.192 DO REPRESENTATIONS OF MAGNITUDE SHARE A SINGLE MENTAL SPACE? AN AUDITORY AND AUDIO-VISUAL TEST USING LOUDNESS AND LUMINANCE - Fairhurst Merle, Deroy Ophelia
- 8.193 INDIVIDUAL DIFFERENCES IN ASSOCIATION BETWEEN SPATIAL DIRECTION AND COLOR IMAGE - Ikeda Hanako, Takahashi Kohsuke, Wada Makoto
- 8.194 FEELING ANIMACY FROM TACTILE VIBRATION - Takahashi Kohsuke, Itagaki Takayoshi, Watanabe Katsumi
- 8.195 THE PERCEPTION OF ANIMACY FROM MULTIPLE-STIMULUS DIMENSION IN PRIMATES - Atsumi Takeshi, Masataka Nobuo

## INFORMATION

### Scientific Sessions

**Plenary Lectures** will be presented in the Auditorium at the ground floor of the Congress Venue.

The entrance to the Auditorium is next to the first flight of stairs, before the Poster Area.

**Parallel Sessions** will take place in the Pacinotti and Fermi rooms, on the first floor of the Congress Venue.

### Symposium and Talk Sessions

Speakers may either use their own laptops, or use the laptops provided (a mac and pc in each room). Please check that your talk works well before the session starts (on the previous day if your talk is in the first early session).

### Poster Sessions

Posters will be displayed in the ground floor next to the auditorium entrance. Poster presenters must hang their poster on the poster board marked with their number. Poster must be portrait format, 90x130cm.

Even-numbered posters should be manned on Sunday morning and Monday afternoon; Odd-numbered posters, Sunday afternoon and Monday morning.

### BRILL best student-poster award

BRILL has kindly offered an award for the best poster with a student presenter, comprising one year's free subscription to the journal *Multisensory Research* plus €150 in cash. All participants will find a voting card in their conference packs, and are asked to nominate one eligible poster and place it in the appropriate box at the registration desk. Voting will close 6 p.m. Monday, and Michiel Thijssen of BRILL will present the prize in person at 6.55 p.m., soon after the plenary lecture.

### Language

English is the official language.

### Mobile APP

IMRF2015 has gone Mobile! To get the full program and the abstract book of the conference please visit <http://guidebook.com/g/pisaimrf2015>

- for iOS and Android click the icon and install the guidebook app. The "PISA IMRF 2015" guide will be listed under the "Download Guides" section of the application.
- for PCs and other platforms just click "Web version"

### During registration two demonstrations will run continuously

One involves "Multisensory robotized intervention to aid development of infants with neuro-developmental disorders", by the Department of Developmental Neuroscience, IRCCS Fondazione Stella Maris and the Biorobotics Institute, Scuola Superiore Sant'Anna. The other involves "Highly Immersive Technologies and Natural Interaction on Player Engagement during Game Experience" by Perceptual Robotics Laboratory (PERCRO), of the Institute of Communication, Information and Perception Technologies (TeCIP), Scuola Superiore Sant'Anna, Pisa.

## GENERAL INFORMATION

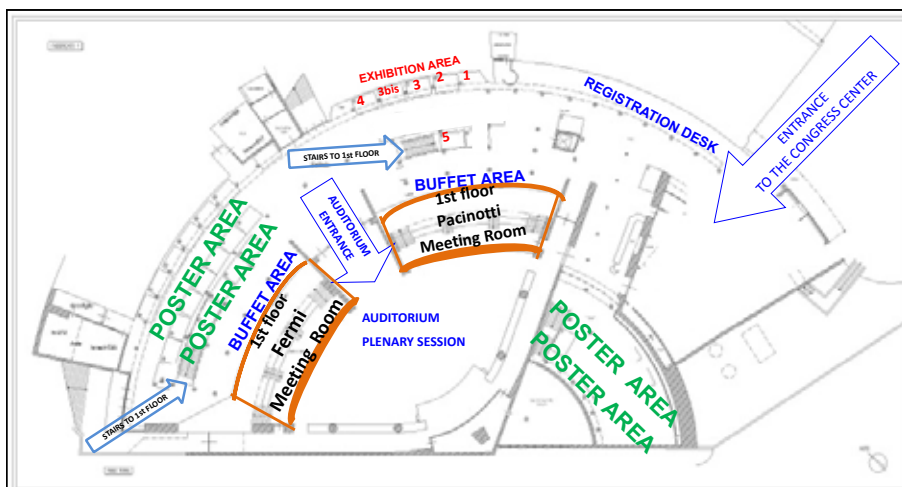
### Congress Venue

Palazzo dei Congressi

Via Giacomo Matteotti, 1 - 56124 Pisa (PI) Italy

[www.palazzodeicongressi.pisa.it](http://www.palazzodeicongressi.pisa.it)

### Congress Venue Plan



### Registration Desk

The registration desk will be open for participants at the following times:

Saturday, June 13th from 4.00 to 7.30 p.m.

Sunday, June 14th from 8.30 a.m. to 7.30 p.m.

Monday, June 15th from 8.30 a.m. to 7.30 p.m.

Tuesday, June 16th from 8.30 a.m. to 6.00 p.m.

### On Site Registration Fees (22% VAT included)

Student Eur 410,00

Post Doc Eur 580,00

Faculty Eur 650,00

Social Dinner Eur 60,00

### Registration Fee includes

Conference kit, Welcome Reception, Coffee breaks, Working lunches, Final Program.

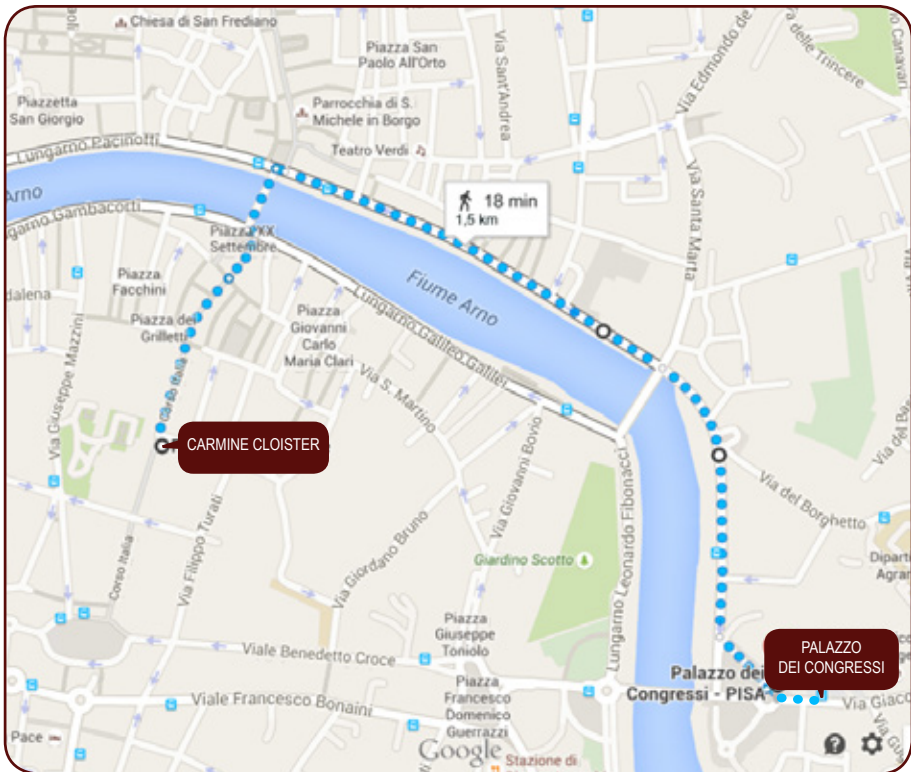
**Attendance Certificate can be obtained from the registration desk.**

### Wireless

Internet access will be available to delegates by accessing the Congress venue wireless network and entering with personal username/password (credentials) in your Internet browser. Credentials can be obtained by filling in the application form at the credentials desk. Please do not forget to bring your passport or ID.

## Social Dinner

Monday, June 15<sup>th</sup>, from 8.00 p.m.  
Carmine Cloister, Santa Maria del Carmine Church  
(Corso Italia, 85 - Pisa City Center)



## Luminara

The conference ends at 5 p.m. Tuesday. That evening there will be the Luminara, the candlelight fest to honour the Patron Saint of Pisa San Ranieri (Saint Rainerius). All of the houses along the Arno will be lit up with candles, and there will be a fireworks display around 11 p.m. This is a very important Pisan tradition, not to be missed!

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