

# MAPS 2025

## Metacognition, Aging and Perception Symposium

Rovereto (ITALY) - September 23-24 - 2025



### Programme

#### 23 September 2025 - Day 1

**8.30-9.00:** Registration and Welcome

**9.00-9.30:** Opening Remarks by Conference Chair Francesco Pavani

**9.30-10.45:** Talk "*How the human brain thinks about itself: mechanisms for metacognition*", **Stephen Fleming** (University College London, UK)

**10.45-11.45:** Poster Session 1 and Coffee Break

**11.45-13.00:** Talk "*Metacognition across senses and social contexts: Implications for aging*", **Ophelia Deroy** (Ludwig-Maximilians-Universität München, Germany)

**13.00-14.30:** Lunch Break

**14.30-15.45:** Talk "*What is effortful listening?*", **Ingrid Johnsrude** (Western University, London, Canada)

**15.45-16.45:** Poster Session 2 and Coffee Break

**16.45-18.00:** Talk "*Cognitive Offloading: Adventures in Distributing Cognition*", **Evan F. Risko** (University of Waterloo, Canada)

**20.30:** Social Dinner

## 24 September 2025 - Day 2

- 09.00-10.15:** Talk "*Meta-listening - Signatures of objective and subjective performance in the listening brain*", **Jonas Obleser** (University of Lübeck, Germany)
- 10.15-11.15:** Poster Session 3 and Coffee Break
- 11.15-12.30:** Talk "*Main Findings from the Project Never stop listening! Promoting healthy ageing potentiating metacognitive and self-regulating abilities when listening in noisy places*", CATS Lab: **Francesco Pavani, Chiara Valzolgher, Elena Giovanelli** and **Elena Gessa** (University of Trento, CIMEC Rovereto, Italy)
- 12.30-14.00:** Lunch Break
- 14.00-15.15:** Talk "*Understanding uncertainty in the human mind*", **Daniel Yon** (Birkbeck - University of London, United Kingdom)
- 15.15-16.15:** Poster Session 4 and Coffee Break
- 16.15-17.30:** Talk "*Re-unveiling the link between metacognition and memory in older adults*", **Erika Borella** (University of Padua, Italy)
- 17.30:** Conference closing remarks

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## Poster session 1 & 2 - Day1 (Tuesday September 23th)

Poster #	TITLE	Presenter
1	Multisensory Interference at the Metacognitive Level Differs for Presence and Absence Judgments	Perrine Porte
3	The role of visual and perceptual factors in reading decline with aging and its awareness	Sara Pegoraro
5	Moderators of cognitive interventions for mild cognitive impairment: A protocol for a systematic review and individual participant data meta-analysis	Daria Alexia Ardelean
7	Adaptive Curiosity About Metacognitive Ability	Canqi Li
9	Attentional functioning in healthy elderlies and aMCI patients: results from the ANT with a focus on gender	Laura Facci
11	Working memory substantially deteriorates during aging	Anna Smirnova
13	Between signal and knowledge: Does healthy ageing impair flexible perceptual decision-making?	Andreja Stajduhar
15	Neural Substrates of Metacognitive Awareness in Aging and Alzheimer's Disease: A Framework for Stage-Specific Interventions	An Robyn Na Hyun
17	Assessment of Changes in Control Beliefs and Self-Awareness in the Preclinical Spectrum of Alzheimer's Disease	Anastasia Tsouvala
19	Targeted Neuromodulation of Perceptual Decision-Making Networks Causally Dissociates Sensory and Metacognitive performance	Paolo Di Luzio
21	The causal role of the parietal cortex in the integration of expectations into metacognitive judgments	Anna Pasini
23	Aging shifts the neural balance from sensory evidence to prior beliefs during perceptual decisions	Luca Tarasi
25	Great Expectations: Age and Reliance on Priors Shape Surprisal Effects in Reading	Merle Schuckart
27	Maturation of sound localization in normal-hearing children	Pouriya Hassani
29	Relation between subjective cognitive decline and fall risk in aging	Giulia Ellena
31	Age influences demonstrative choice according to specific semantic factors	Jorge Ricardo Hidalgo Chagoya
33	Sound localization in noisy contexts: performance, metacognitive evaluations and head movements	Chiara Valzolgher
35	Someone else's ears: Metacognitive auditory perspective taking in young and older adults	Chiara Valzolgher

## Poster session 3 & 4 - Day2 (Wednesday September 24th)

Poster #	TITLE	Presenter
2	Aging Ears, Adapting Minds: How Older Adults Navigate the Cognitive Demands of Degraded Speech	Rogru Chen
4	Exploring Placebo and Nocebo Effects on Cognitive Performance in Older Adults: Insights from an Online Experiment	Alessandra Barbon
6	Body structural representations of the glabrous and hairy skin surface in ageing	Carmen Lenatti
8	Cognitive and metacognitive biases behind suboptimal advice utilization	Joshua Zonca
10	Reduced Metacognitive Memory Efficiency in Subjective Cognitive Decline: a potential early marker of cognitive impairment?	Gabriele Volpara
12	Modulation of auditory perception and metacognition by hand grip-induced arousal in older adults	Andrew Sun
14	Age-related differences in Theory of Mind performance	Felix Hötter
16	Measuring age related differences in cognitive bias by developing a scenario-based questionnaire using deep learning	Chengrui Rachel Zhou
18	Action toward sound sources enhance auditory spatial confidence: on the metacognitive consequences of reaching to sounds	Lisa Lever
20	DICE study: Real-world Listening-effort and Satisfaction in Cochlear Implant Recipients	Loes Beckers
22	The Confidence Code: Parietal Alpha Oscillations Turn Expectations into Belief	Domenico Romanazzi
24	Metacognitive performance across visual domains: Evaluating Confidence in Motion vs Colour Perception	Elena Mussini
26	Does Computational Thinking Train Metacognition, Or the Other Way Around?	Giulia Paludo
28	Study Design and Baseline Features of the MOVE Project: A Longitudinal Investigation of Cognitive and Physical Trajectories in Subjective and Early Cognitive Decline	Caterina Dapor
30	Enhancing Auditory Spatial Hearing in Cochlear Implant Users through Audio-Tactile Training	Christoph Braun
32	Will I speak louder if I see you struggle understanding? Speech modifications in response to non-verbal visual cues of listening engagement (32-A & 32-B)	Elena Gessa
34	Can Interactive Listening Improve Older Adults' Appreciation of Their Listening Abilities? A Pilot Study in Individuals with Hearing Loss	Elena Giovanelli
36	Spontaneous postural adjustments reduce perceived listening effort	Giuseppe Rabini