

Association for the Scientific Study of Consciousness 2023

Event Schedule

Thu, Jun 22, 2023

8:00 AM

Registration

🕒 8:00 AM - 6:30 PM, Jun 22

📍 Atrium

8:30 AM

Coffee

🕒 8:30 AM - 9:00 AM, Jun 22

📍 Greenberg Lounge

9:00 AM

Tutorial: Philosophical Theories of Consciousness

🕒 9:00 AM - 12:00 PM, Jun 22

A tutorial on "Philosophical Theories of Consciousness", led by Rocco J. Gennaro.

Tutorial: Mathematical consciousness science for the working consciousness researcher

🕒 9:00 AM - 12:00 PM, Jun 22

A tutorial on "mathematical consciousness science for the working consciousness researcher", led by Johannes Kleiner, Lenore Blum, Ryota Kanai, and Wanja Wiese.

Tutorial: A practical guide to EEG analysis tools used in the neuroscience of consciousness and cognition

🕒 9:00 AM - 12:00 PM, Jun 22

A tutorial on "a practical guide to EEG analysis tools used in the neuroscience of consciousness and cognition", led by David W. Zhou, Thomas Donoghue, Emily P. Stephen, and Matteo Fecchio.

Tutorial: Analyzing Brain-Body Interaction

🕒 9:00 AM - 12:00 PM, Jun 22

A tutorial on "analyzing body-brain interaction", led by Esra Al, Micah Allen, and Ignacio Rebollo.

Tutorial: Measures and models of metacognition

🕒 9:00 AM - 12:00 PM, Jun 22

A tutorial on "measures and models of metacognition", led by Stephen Fleming.

12:00 PM

Lunch

🕒 12:00 PM - 1:00 PM, Jun 22

Break for lunch. Not catered - list of local options provided

1:00 PM

Tutorial: The sensorimotor approach to phenomenal consciousness and its link to illusionism

🕒 1:00 PM - 4:00 PM, Jun 22

Tutorial on "the sensorimotor approach to phenomenal consciousness and its link to illusionism", led by J. Kevin O'Regan, Keith Frankish, and Dave Ward.

Tutorial: Integrated Information Theory 4.0

🕒 1:00 PM - 4:00 PM, Jun 22

A tutorial on "Integrated Information Theory 4.0" led by William Marshall, Larissa Albantakis, and Melanie Boly.

Tutorial: Robust methods for within-participant analyses of neuroimaging data: Bayesian prevalence and information theory

🕒 1:00 PM - 4:00 PM, Jun 22

A tutorial on "robust methods for within-participant analyses of neuroimaging data: Bayesian prevalence and information theory", led by Andres Canales-Johnson and Robin A.A. Ince.

Tutorial: Shared subcortical arousal mechanisms across diverse perceptual and volitional modalities

🕒 1:00 PM - 4:00 PM, Jun 22

A tutorial on "shared subcortical arousal mechanisms across diverse perceptual and volitional modalities", led by Hal Blumenfeld, Sharif Kronemer, Kate Christison-Lagay, and David Jin.

Tutorial: Communicating consciousness science to funders and general public

🕒 1:00 PM - 4:00 PM, Jun 22

A tutorial on "communicating consciousness science to funders and general public", led by Megan Peters, Brian Odegaard, and Nora Bradford.

4:00 PM

Coffee

🕒 4:00 PM - 4:30 PM, Jun 22

📍 Greenberg Lounge

4:30 PM

Opening Session

🕒 4:30 PM - 6:45 PM, Jun 22

📍 Tishman Auditorium

Opening remarks, the presidential address, and the first keynote talk.

3 Subsessions

● **Opening Remarks**

🕒 4:30 PM - 4:45 PM, Jun 22

📍 Tishman Auditorium

● **Presidential Address - Joseph LeDoux: Our Four Realms of Existence: A Fresh Look at the Science of What and Who We Are**

🕒 4:45 PM - 5:45 PM, Jun 22

📍 Tishman Auditorium

● **Keynote - Doris Tsao: The Origin of Consciousness in the Breakdown of the Cortical Hierarchy**

🕒 5:45 PM - 6:45 PM, Jun 22

📍 Tishman Auditorium

7:00 PM

Welcome Reception

🕒 7:00 PM - 9:00 PM, Jun 22

📍 NYU Silver Center, 100 Washington Square East (Hemmerdinger Hall + Silverstein Lounge)

Fri, Jun 23, 2023

8:30 AM

Registration

🕒 8:30 AM - 5:30 PM, Jun 23

📍 Atrium

Coffee

🕒 8:30 AM - 9:00 AM, Jun 23

9:00 AM

Keynote - May-Britt Moser: The Hippocampal Formation and Space, Time and Memory

🕒 9:00 AM - 10:00 AM, Jun 23

📍 Tishman Auditorium

10:00 AM

Coffee

🕒 10:00 AM - 10:30 AM, Jun 23

📍 Greenberg Lounge

10:30 AM

Concurrent Session - Philosophical Foundations

🕒 10:30 AM - 12:30 PM, Jun 23

8 Subsessions

● **Kob, L. - The structure of consciousness bridges the gap between phenomenality and function**

🕒 10:30 AM - 10:45 AM, Jun 23

● **Lyre, H. - Neurophenomenal structuralism**

🕒 10:45 AM - 11:00 AM, Jun 23

● **Kirkeby-Hinrup, A. - Exploring the Simultaneous Multiple Realization Hypothesis**

🕒 11:00 AM - 11:15 AM, Jun 23

● **Sebastian, M.A. - Perspectival Information in Multisensory Integration**

🕒 11:15 AM - 11:30 AM, Jun 23

● **Saran, K. - What's wrong with GOTHic hallucinations?**

🕒 11:30 AM - 11:45 AM, Jun 23

● **Mihalik, J. - The Meta-Problem of Acquaintance**

🕒 11:45 AM - 12:00 PM, Jun 23

● **Berger, J. - How Qualities and Content Interact in Perception**

🕒 12:00 PM - 12:15 PM, Jun 23

● **Chuard, P. - Postdictive Explanations?**

🕒 12:15 PM - 12:30 PM, Jun 23

10:30 AM

Concurrent Session - Neural Correlates of Conscious Vision

⌚ 10:30 AM - 12:30 PM, Jun 23

8 Subsessions

- **Colombari, E. et al. - An innovative approach to investigate the spatio-temporal dynamics of conscious vision**
⌚ 10:30 AM - 10:45 AM, Jun 23
- **Wu, Y-H. et al. - Distinct sources of spontaneous activity influencing perceptual sensitivity and criterion**
⌚ 10:45 AM - 11:00 AM, Jun 23
- **Hesse, J. et al. - The role of recurrent feedback during conscious perception in binocular rivalry**
⌚ 11:00 AM - 11:15 AM, Jun 23
- **Doerig, A. et al. - Representational similarity across visual cortex explains the attentional blink**
⌚ 11:15 AM - 11:30 AM, Jun 23
- **Hadid, V. et al. - The vMMN: a neural marker for unconscious processing in cortical blindness**
⌚ 11:30 AM - 11:45 AM, Jun 23
- **Vishne, G. et al. - Representation of sustained passive visual experience across different frequency ranges**
⌚ 11:45 AM - 12:00 PM, Jun 23
- **Friedman, D. et al. - Intersubject consistency as a window into deciphering the neuronal code underlying conscious perception.**
⌚ 12:00 PM - 12:15 PM, Jun 23
- **Hense, A. et al. - Neural correlates of sustained consciousness in an inattention blindness paradigm**
⌚ 12:15 PM - 12:30 PM, Jun 23

Concurrent Session - Virtual Reality and Neurotechnology

⌚ 10:30 AM - 12:30 PM, Jun 23

8 Subsessions

- **Barrow, N. & Haggard, P. - Experience machines and reality: the finishing touch**
⌚ 10:30 AM - 10:45 AM, Jun 23
- **Vehar, N. et al. - Who is that, behind me? Investigating the identity of induced presence hallucinations by merging face morphing, robotics and virtual reality systems**
⌚ 10:45 AM - 11:00 AM, Jun 23
- **Drori, G. et al. - Dissociable behavioral responses to virtual hallucinations suggest that sense of reality relates to perceptual priors**
⌚ 11:00 AM - 11:15 AM, Jun 23
- **Vold, K. - Augmenting the dimensions of consciousness**
⌚ 11:15 AM - 11:30 AM, Jun 23
- **Bicego, A. - Virtual reality hypnosis reduces electrophysiological and subjective pain perceptions of healthy participants**
⌚ 11:30 AM - 11:45 AM, Jun 23
- **Seth, A. et al. - Exploring Perceptual Diversity in the Dreamachine and The Perception Census**
⌚ 11:45 AM - 12:00 PM, Jun 23
- **Motyka, P. et al. - Investigating the role of sensorimotor spatial dependencies in shaping conscious access to virtual 3D objects**
⌚ 12:00 PM - 12:15 PM, Jun 23
- **Soto, D. et al. - Manipulating semantic representations without awareness by using fMRI-based decoded neurofeedback**
⌚ 12:15 PM - 12:30 PM, Jun 23

10:30 AM

Concurrent Session - Metacognition

🕒 10:30 AM - 12:30 PM, Jun 23

8 Subsessions

● **Hesp, C. et al. - Towards a computational phenomenology of mental action: modelling meta-awareness and attentional control with deep parametric active inference**

🕒 10:30 AM - 10:45 AM, Jun 23

● **Rahnev, D. - Measuring metacognition: A comprehensive empirical assessment of current methods**

🕒 10:45 AM - 11:00 AM, Jun 23

● **Katyal, S. & Fleming, S.M. - Characterising the structure and dynamics of global metacognition**

🕒 11:00 AM - 11:15 AM, Jun 23

● **Fotopoulou, A. - The Computational Neuropsychology of Self-Awareness: From Sensory to Metacognitive Predictive Errors**

🕒 11:15 AM - 11:30 AM, Jun 23

● **Kletenic, I. et al. - Network Localization of Visual and Motor Anosognosia: memory and metacognition**

🕒 11:30 AM - 11:45 AM, Jun 23

● **Ivanchei, I. - Dynamics of confidence in implicit probabilistic learning**

🕒 11:45 AM - 12:00 PM, Jun 23

● **Bradford, N. et al. - Model-based approach for extracting performance-independent metacognitive sensitivity from meta-learning data**

🕒 12:00 PM - 12:15 PM, Jun 23

● **Nasrini, J. & Hampton, R.R. - Assessing the Subjective Effort of Working Memory Maintenance in Monkeys**

🕒 12:15 PM - 12:30 PM, Jun 23

Concurrent Session - Sleep, Dreaming, Anesthesia

🕒 10:30 AM - 12:30 PM, Jun 23

8 Subsessions

● **Decat, N. et al. - DREAM: A Dream EEG and Mentation database**

🕒 10:30 AM - 10:45 AM, Jun 23

● **Siclari, F. et al. - Non-REM parasomnia experiences are associated with EEG signatures of dreaming**

🕒 10:45 AM - 11:00 AM, Jun 23

● **Claassen, J. et al. - Well-Formed N2 Sleep Architecture is Associated with a Higher Likelihood of Cognitive Motor Dissociation**

🕒 11:00 AM - 11:15 AM, Jun 23

● **Bellemare-Pepin et al. - Exploring states of consciousness through EEG harmonicity: Novel insights from sleep recordings**

🕒 11:15 AM - 11:30 AM, Jun 23

● **Andrillon, T. - Sleep-like brain activity in wakefulness shapes the dynamics of attention and consciousness**

🕒 11:30 AM - 11:45 AM, Jun 23

● **Zarr, V.M. et al. - Propofol induced burst suppression evokes neuronal firing and local field potential traveling waves in the human brain**

🕒 11:45 AM - 12:00 PM, Jun 23

● **Fotiadis, P. et al. - Dexmedetomidine-induced loss of consciousness is characterized by increased structure-function coupling and decreased cerebral blood flow**

🕒 12:00 PM - 12:15 PM, Jun 23

● **Mao, R. et al. - Investigating the Role of Cerebral Cortex in Consciousness**

🕒 12:15 PM - 12:30 PM, Jun 23

Fri, Jun 23, 2023 *continued*

10:30 AM

Concurrent Session - Action, Decision, Volition

🕒 10:30 AM - 12:30 PM, Jun 23

8 Subsessions

● **Seghezzi, S. et al. - Voluntary actions and problem-solving**

🕒 10:30 AM - 10:45 AM, Jun 23

● **Gavenas, J. et al. - The readiness potential and antecedent pupil dilations reflect two distinct aspects of conscious volition**

🕒 10:45 AM - 11:00 AM, Jun 23

● **Maoz, U. - The nature of the readiness potential in conscious, voluntary actions**

🕒 11:00 AM - 11:15 AM, Jun 23

● **Bertoni, T. et al. - Pre-movement alpha oscillations shape the sense of agency by gating sensorimotor binding**

🕒 11:15 AM - 11:30 AM, Jun 23

● **Coucke, N. et al. - The Role of Metacognition in Embodied Joint Decision Making**

🕒 11:30 AM - 11:45 AM, Jun 23

● **Morris, A. et al. - Conscious awareness of multi-attribute choice processes**

🕒 11:45 AM - 12:00 PM, Jun 23

● **Rimkevičius, P. et al. - Mental Imagery and the Experience of Volition**

🕒 12:00 PM - 12:15 PM, Jun 23

● **So, N. & Shadlen, M.N. - Decision formation in parietal cortex transcends a fixed frame of reference**

🕒 12:15 PM - 12:30 PM, Jun 23

12:30 PM

Mentor Lunch (designated attendees only)

🕒 12:30 PM - 2:00 PM, Jun 23

Lunch

🕒 12:30 PM - 1:15 PM, Jun 23

Break for lunch. Not catered - list of local options provided

1:15 PM

Poster Session 1 + Coffee

🕒 1:15 PM - 2:00 PM, Jun 23

📍 Greenberg Lounge

2:00 PM

Symposium: Mathematical Spaces for Conscious Experiences

🕒 2:00 PM - 4:00 PM, Jun 23

Johannes Kleiner, Andrew Lee, Catherine Tallon-Baudry, David Rosenthal

Symposium: The Interplay between Consciousness and Learning

🕒 2:00 PM - 4:00 PM, Jun 23

Lina Skora, Ryan Scott, Răzvan Jurchiș, Gaetan Mertens, Eva Jablonka

4:00 PM

Poster Session 1 + Coffee

🕒 4:00 PM - 5:00 PM, Jun 23

📍 Greenberg Lounge

5:00 PM

Concurrent Session - Imagery and Mind Wandering

⌚ 5:00 PM - 6:30 PM, Jun 23

6 Subsessions

● **Dijkstra, N. & Fleming, S. - Fundamental constraints on distinguishing reality from imagination**

⌚ 5:00 PM - 5:15 PM, Jun 23

● **Kronemer, E.I. et al. - Exteroceptive versus interoceptive conscious perception: A 7T fMRI study of afterimages**

⌚ 5:15 PM - 5:30 PM, Jun 23

● **Boulakis, P. et al. - Large-scale cortical deactivations precede episodes of mind-blanking during ongoing mentation**

⌚ 5:30 PM - 5:45 PM, Jun 23

● **Spagna, A. et al. - A new neurocognitive model of visual mental imagery: domain-specific and domain-general visual mechanisms**

⌚ 5:45 PM - 6:00 PM, Jun 23

● **Cabbai, G. et al. - Decoding spontaneous and voluntary imagery in the visual cortex of aphantasics and non-aphantasics**

⌚ 6:00 PM - 6:15 PM, Jun 23

● **Munoz, E. et al. - Leveraging neural indexes to track the dynamics of conscious contents in wakefulness**

⌚ 6:15 PM - 6:30 PM, Jun 23

Concurrent Session - Disorders of Consciousness 1

⌚ 5:00 PM - 6:30 PM, Jun 23

6 Subsessions

● **Ihalainen, R. et al. - Lateral frontoparietal effective connectivity differentiates and predicts state of consciousness in traumatic disorders of consciousness**

⌚ 5:00 PM - 5:15 PM, Jun 23

● **Meys, M. et al. - Disorders of Consciousness through Global Neurophysiological Measures: A Meta-Analysis**

⌚ 5:15 PM - 5:30 PM, Jun 23

● **Kazazian, K. et al. - Resting state networks predict the recovery of consciousness after acute severe brain injury.**

⌚ 5:30 PM - 5:45 PM, Jun 23

● **Maschke, C. et al. - Does Edge of Chaos Criticality have diagnostic or prognostic value in Disorder of Consciousness?**

⌚ 5:45 PM - 6:00 PM, Jun 23

● **Sala, A. et al. - Neural correlates of consciousness: a coordinate-based meta-analysis of brain alterations in disorders of consciousness**

⌚ 6:00 PM - 6:15 PM, Jun 23

● **Appavu, B. et al. - Detection of Covert Cortical Processing of Novel Stimuli Using Electroencephalography in Critically Ill Unresponsive Children**

⌚ 6:15 PM - 6:30 PM, Jun 23

5:00 PM

Concurrent Session - Richness of Consciousness

🕒 5:00 PM - 6:30 PM, Jun 23

6 Subsessions

● **Hirschhorn, R. & Mudrik, L. - More than words - can free reports adequately measure the richness of perception?**

🕒 5:00 PM - 5:15 PM, Jun 23

● **Goh, R.Z. - Iconic representation and the richness of visual experience**

🕒 5:15 PM - 5:30 PM, Jun 23

● **Kozuch, B. - Either visual experience is impoverished, or "upper-deck" PFC Theory is false**

🕒 5:30 PM - 5:45 PM, Jun 23

● **Odegaard, B. et al. - None so blind: meaningful changes are more detectable across saccade-induced blindness**

🕒 5:45 PM - 6:00 PM, Jun 23

● **Snodgrass, M. - Access and Consciousness**

🕒 6:00 PM - 6:15 PM, Jun 23

● **Nartker, M. et al. - What do the inattentionally blind see?**

🕒 6:15 PM - 6:30 PM, Jun 23

Concurrent Session - Comparing Theories of Consciousness

🕒 5:00 PM - 6:30 PM, Jun 23

6 Subsessions

● **Droege, P. - We need a better definition of consciousness**

🕒 5:00 PM - 5:15 PM, Jun 23

● **Fink, S.B. - Activation Bias**

🕒 5:15 PM - 5:30 PM, Jun 23

● **Van Gulick, R. - Combining Higher-Order theory and the Global Workspace model - An alternative view of consciousness and self-awareness.**

🕒 5:30 PM - 5:45 PM, Jun 23

● **Chis-Ciure, R. & Northoff, G. - How to Compare and Falsify Theories of Consciousness: A Novel Method for Inter-theoretic Empirical Translations**

🕒 5:45 PM - 6:00 PM, Jun 23

● **Tian, K. et al. - An adversarial collaboration to test predictions of first-order and higher-order theories of consciousness using subjective inflation**

🕒 6:00 PM - 6:15 PM, Jun 23

● **Koenig, L. et al. - Adjudicating between first-order and higher-order theories of consciousness: the role of prefrontal cortex**

🕒 6:15 PM - 6:30 PM, Jun 23

5:00 PM

Concurrent Session - Perception

🕒 5:00 PM - 6:30 PM, Jun 23

6 Subsessions

- **Khoudary, A. et al. - Perceptual decisions result from dynamic precision-weighted integration of memory and visual information**
🕒 5:00 PM - 5:15 PM, Jun 23
- **Bosten, J. & Somers, L. - The impact of notch filters on color perception in anomalous trichromacy**
🕒 5:15 PM - 5:30 PM, Jun 23
- **Chang, A. et al. - Amplitude modulation of sound implicitly biases perception as music or speech**
🕒 5:30 PM - 5:45 PM, Jun 23
- **Sitt, J. et al. - Processing of the same narrative stimuli elicits common functional connectivity dynamics between individuals**
🕒 5:45 PM - 6:00 PM, Jun 23
- **Shor, J. et al. - Identifying the neural network dynamics underlying one-shot perceptual learning with intracranial EEG**
🕒 6:00 PM - 6:15 PM, Jun 23
- **Micheli, F. et al. - Investigating automaticity constraints and cognitive penetrability of multisensory integration illusions.**
🕒 6:15 PM - 6:30 PM, Jun 23

Concurrent Session - Artificial Intelligence

🕒 5:00 PM - 6:30 PM, Jun 23

6 Subsessions

- **Butlin, P. & Long, R. - An Interdisciplinary Collaborative Report on Consciousness in AI**
🕒 5:00 PM - 5:15 PM, Jun 23
- **Wilby, M. & Strasser, A. - Situating Machines within Normative Practices: Agency, Moral Responsibility and the AI Stance**
🕒 5:15 PM - 5:30 PM, Jun 23
- **Kiefer, A. - Vector embeddings as a representational format**
🕒 5:30 PM - 5:45 PM, Jun 23
- **Shevlin, H. - Prospects and pitfalls for a science of artificial consciousness: the case of Large Language Models**
🕒 5:45 PM - 6:00 PM, Jun 23
- **Suzuki, K. et al. - Modelling Phenomenological Differences in Aetiologically Distinct Visual Hallucinations Using Deep Neural Networks**
🕒 6:00 PM - 6:15 PM, Jun 23
- **Simon, J. et al. - Finding Consciousness in an Attractor Landscape: Overflow For Global Workspace Theorists**
🕒 6:15 PM - 6:30 PM, Jun 23

Fri, Jun 23, 2023 *continued*

7:30 PM

Public Event: 25 Years of Consciousness

🕒 7:30 PM - 9:30 PM, Jun 23

📍 Skirball Theater

A free public event, featuring Heather Berlin (MC), David Chalmers, Daniel Dennett, Christof Koch, Lucia Melloni, and others, with musical entertainment by Joe LeDoux and the Amygdaloids and others. The event will include a look back at the science of consciousness since the first ASSC conference in 1997, the resolution of a 25-year bet about the neural correlates of consciousness from 1998, and the presentation of new results from adversarial collaborations to test theories of consciousness.

9:30 PM

Student Social Event

🕒 9:30 PM - 11:55 PM, Jun 23

📍 TBA

Sat, Jun 24, 2023

8:30 AM

Registration

🕒 8:30 AM - 5:30 PM, Jun 24

📍 Atrium

Coffee

🕒 8:30 AM - 9:00 AM, Jun 24

9:00 AM

Keynote - Thomas Nagel: Psychophysical Monism as an Ideal

🕒 9:00 AM - 10:00 AM, Jun 24

📍 Tishman Auditorium

10:00 AM

Coffee

🕒 10:00 AM - 10:30 AM, Jun 24

10:30 AM

Symposium: Affective impact on perception

🕒 10:30 AM - 12:30 PM, Jun 24

Frédérique de Vignemont, Marisa Carrasco, Judith Domínguez-Borràs & Patrick Vuilleumier, Hilla Jacobson

Symposium: Broad-spectrum introspection: Metacognition and self-awareness across diverse domains

🕒 10:30 AM - 12:30 PM, Jun 24

Jorge Morales, Elisa Filevich, Tony Cheng, Sarah Garfinkel

Sat, Jun 24, 2023 *continued*

12:30 PM

Lunch

🕒 12:30 PM - 1:15 PM, Jun 24

Break for lunch. Not catered - list of local options provided

1:15 PM

Career Panel

🕒 1:15 PM - 2:00 PM, Jun 24

Poster Session 2 + Coffee

🕒 1:15 PM - 2:00 PM, Jun 24

📍 Greenberg Lounge

2:00 PM

Concurrent Session - Altered States of Consciousness

🕒 2:00 PM - 3:30 PM, Jun 24

6 Subsessions

● **Murray, C. et al. - A Comparative Neuropsychopharmacology of Altered States of Consciousness**

🕒 2:00 PM - 2:15 PM, Jun 24

● **Stoliker, D. et al. - Meditation Altered Psilocybin-Induced Effective Connectivity**

🕒 2:15 PM - 2:30 PM, Jun 24

● **Herzog, R. et al. - High-order functional connectivity: a data-driven approach for studying states of consciousness**

🕒 2:30 PM - 2:45 PM, Jun 24

● **Shinozuka, K. et al. - LSD Disrupts the Encoding of the Arrow of Time in the Brain**

🕒 2:45 PM - 3:00 PM, Jun 24

● **Sanders, J.W. et al. - Towards a micro-phenomenology of the intravenous DMT state**

🕒 3:00 PM - 3:15 PM, Jun 24

● **Carter, O. et al. - Using meditation and psychedelic science to examine dimensions of consciousness**

🕒 3:15 PM - 3:30 PM, Jun 24

2:00 PM

Concurrent Session - Disorders of Consciousness (II)

🕒 2:00 PM - 3:30 PM, Jun 24

6 Subsessions

● **Alaerts, K. et al. - Oxytocin administration in children with autism facilitates the transient incidence of non-harmonic relationships between alpha and theta rhythms in the resting brain**

🕒 2:00 PM - 2:15 PM, Jun 24

● **Bernasconi, F. et al. - Theta oscillations and minor hallucinations in Parkinson's disease reveal decrease in frontal lobe functions and later cognitive decline**

🕒 2:15 PM - 2:30 PM, Jun 24

● **Cardone, P. et al. - Regaining sight after zolpidem: a problem of access consciousness or a new conscious state?**

🕒 2:30 PM - 2:45 PM, Jun 24

● **Cecconi, B. et al. - Does the current evidence for unconscious processing invalidate a clinical assessment of consciousness based on behaviour?**

🕒 2:45 PM - 3:00 PM, Jun 24

● **Liu, S. et al. - Decreased firing in subcortical cholinergic neurons associated with loss of consciousness in an awake behaving mouse temporal lobe seizure model**

🕒 3:00 PM - 3:15 PM, Jun 24

● **Seguin, P. et al. - Does global paralysis come with attentional impairment?**

🕒 3:15 PM - 3:30 PM, Jun 24

Concurrent Session - Perception & Attention

🕒 2:00 PM - 3:30 PM, Jun 24

6 Subsessions

● **Ziman, K. et al. - Predictive modeling of attention**

🕒 2:00 PM - 2:15 PM, Jun 24

● **Forster, S. et al. - Blinded and deafened by our thoughts? Amodal and modality-specific competition for internal and external sensory representations**

🕒 2:15 PM - 2:30 PM, Jun 24

● **Shanks, D.R. & Lee, D.Y.H - Conscious and Unconscious Memory and Eye Movements in Context-Guided Visual Search**

🕒 2:30 PM - 2:45 PM, Jun 24

● **Khalaf, A. et al. - Shared subcortical arousal networks across sensory modalities during transitions in attention**

🕒 2:45 PM - 3:00 PM, Jun 24

● **Doradzińska, L. & Bola, M. - What is the contribution of attention to Perceptual Awareness Negativity?**

🕒 3:00 PM - 3:15 PM, Jun 24

● **Robinson, J.E. et al. - Active inference and conscious content: A psychophysical study of re-emergence in motion induced blindness**

🕒 3:15 PM - 3:30 PM, Jun 24

2:00 PM

Concurrent Session - Ethics, Value, Valence, Pain

🕒 2:00 PM - 3:30 PM, Jun 24

6 Subsessions

- **Dolega, K. - Hidden in plain sight: on the elusive nature of valence in perceptual experience**
🕒 2:00 PM - 2:15 PM, Jun 24
- **Cleeremans, A. & Tallon-Baudry, C. - The value of consciousness**
🕒 2:15 PM - 2:30 PM, Jun 24
- **Cappell, D. - Can we discard sentience-based ethics?**
🕒 2:30 PM - 2:45 PM, Jun 24
- **Sandra, D.A. et al. - Presenting a Sham Intervention as Personalised Increases Its Perceived Effectiveness**
🕒 2:45 PM - 3:00 PM, Jun 24
- **Taschereau-Dumouchel et al. - Modulating the subjective experience of pain using decoded fMRI neurofeedback**
🕒 3:00 PM - 3:15 PM, Jun 24
- **Gligorov, N. - Eliminativism Redux--The Case of Pain**
🕒 3:15 PM - 3:30 PM, Jun 24

Concurrent Session - Methods & Measures

🕒 2:00 PM - 3:30 PM, Jun 24

6 Subsessions

- **Broeker, M. & Azzopardi, P. - Signal detection measures can (!) distinguish perceptual biases from response biases**
🕒 2:00 PM - 2:15 PM, Jun 24
- **Stazicker, J. - Performance Confounds and Nagel's Notion of the Subjective**
🕒 2:15 PM - 2:30 PM, Jun 24
- **Klein, A. - The Measurement Problem: Its History and Solution**
🕒 2:30 PM - 2:45 PM, Jun 24
- **Schmidt, T. & Biafora, M. - A Theory of Visibility Measures in the Dissociation Paradigm**
🕒 2:45 PM - 3:00 PM, Jun 24
- **Schreiber, M. et al. - Is There Evidence for Unconscious Semantic Processing? a Systematic Review and Meta Analysis**
🕒 3:00 PM - 3:15 PM, Jun 24
- **Sanchez-Fuenzalida, N. et al. - A behavioural marker to dissociate subjective experience from perceptual decisions in a detection experiment**
🕒 3:15 PM - 3:30 PM, Jun 24

2:00 PM

Concurrent Session - Time perception

🕒 2:00 PM - 3:30 PM, Jun 24

6 Subsessions

● **Pavailer, N. & Burle, B. - Metacognitive judgments: direct readout or causal inference? The case of introspective reaction times.**

🕒 2:00 PM - 2:15 PM, Jun 24

● **Tsakiris, M. et al. - The heart as a subjective pacemaker: how experienced time expands and contracts within each heartbeat**

🕒 2:15 PM - 2:30 PM, Jun 24

● **Msheik, R. et al. - Evidence accumulation explains the duration of perceptual experience and its associated confidence**

🕒 2:30 PM - 2:45 PM, Jun 24

● **Sadibolova, R. et al. - Tonic and phasic dopamine fluctuations in striatum differentially relate to variations in human time perception**

🕒 2:45 PM - 3:00 PM, Jun 24

● **Sadeghi, S. et al. - A predictive coding theory of subjective time**

🕒 3:00 PM - 3:15 PM, Jun 24

● **Maranhao, I. et al. - Investigating the relationship between intrinsic neural activity and temporal resolution**

🕒 3:15 PM - 3:30 PM, Jun 24

3:30 PM

Poster Session 2 + Coffee

🕒 3:30 PM - 4:30 PM, Jun 24

📍 Greenberg Lounge

4:30 PM

Symposium: The Richness Debate

🕒 4:30 PM - 6:30 PM, Jun 24

📍 Tishman Auditorium

Michael Cohen, Ned Block, Liad Mudrik, Michael Pitts

7:30 PM

Conference Dinner

🕒 7:30 PM - 10:30 PM, Jun 24

📍 Pioneer Works

Sun, Jun 25, 2023

8:30 AM

Registration

🕒 8:30 AM - 4:30 PM, Jun 25
📍 Atrium

Coffee

🕒 8:30 AM - 9:00 AM, Jun 25

9:00 AM

Keynote - Yoshua Bengio: Sources of Richness and Ineffability for Phenomenally Conscious States

🕒 9:00 AM - 10:00 AM, Jun 25
📍 Tishman Auditorium

10:00 AM

Coffee

🕒 10:00 AM - 10:30 AM, Jun 25

10:30 AM

Concurrent Session - Theories & Models

🕒 10:30 AM - 12:30 PM, Jun 25

8 Subsessions

● **Brown, R. & Renero, A. - A HOROR Theory for Introspective Consciousness**

🕒 10:30 AM - 10:45 AM, Jun 25

● **Silins, N. - The Conscious Theory of Higher-Orderness**

🕒 10:45 AM - 11:00 AM, Jun 25

● **Newen, A. & Montemayor, C. - The ALARM theory of consciousness: an evolutionary perspective**

🕒 11:00 AM - 11:15 AM, Jun 25

● **Wiese, W. - Can minimal models help understanding consciousness?**

🕒 11:15 AM - 11:30 AM, Jun 25

● **Dacey Jennings, C. - Consciousness as Relation**

🕒 11:30 AM - 11:45 AM, Jun 25

● **Schlicht, T. - Can Predictive Processing teach us anything about Consciousness?**

🕒 11:45 AM - 12:00 PM, Jun 25

● **Hassel Mørch, H. - An alternative defense of IIT's Exclusion postulate**

🕒 12:00 PM - 12:15 PM, Jun 25

● **Schurger, A. - You can't go wrong with Integrated Information Theory**

🕒 12:15 PM - 12:30 PM, Jun 25

10:30 AM

Concurrent Session - Animal and Infant Consciousness

⌚ 10:30 AM - 12:30 PM, Jun 25

8 Subsessions

● **Zakharova, D. - Simulation-Based Explanation of Intelligent Behaviour in Portia spiders: A Marker of Consciousness?**

⌚ 10:30 AM - 10:45 AM, Jun 25

● **Zacks, O. - Ancient origins of the global workspace—are all vertebrates conscious?**

⌚ 10:45 AM - 11:00 AM, Jun 25

● **Malassis, R. et al. - Implicit/explicit learning across primate species: a process dissociation study**

⌚ 11:00 AM - 11:15 AM, Jun 25

● **Brown, S. - Animal Points of View in Spatiotemporal Structures of Experience**

⌚ 11:15 AM - 11:30 AM, Jun 25

● **Pecere, P. - Plant "consciousness" after Darwin: a proposal**

⌚ 11:30 AM - 11:45 AM, Jun 25

● **Naci, L. - Typical and disrupted brain mechanism for conscious awareness in full-term and preterm infants**

⌚ 11:45 AM - 12:00 PM, Jun 25

● **Hu, H. et al. - Typical and disrupted brain network complexity in human neonates**

⌚ 12:00 PM - 12:15 PM, Jun 25

● **Rossi, A. et al. - The development of consciousness-state complexity of brain responses: Perturbation Complexity Index in newborns and young infants**

⌚ 12:15 PM - 12:30 PM, Jun 25

Concurrent Session - Body

⌚ 10:30 AM - 12:30 PM, Jun 25

8 Subsessions

● **Besharati et al. - The social and affective modulation of bodily self-awareness**

⌚ 10:30 AM - 10:45 AM, Jun 25

● **Candia-Rivera, D. et al. - Conscious processing of global and local auditory irregularities causes differentiated heartbeat-evoked responses**

⌚ 10:45 AM - 11:00 AM, Jun 25

● **Kadambi, A. et al. - Neural mechanisms for self-recognition from whole-body movements**

⌚ 11:00 AM - 11:15 AM, Jun 25

● **Serino, A. - Multisensory integration in Peripersonal Space as a neurophysiological marker of self-consciousness**

⌚ 11:15 AM - 11:30 AM, Jun 25

● **Corcoran, A. et al. - Interrogating brain-body-behaviour interactions during fluctuations of attention and arousal**

⌚ 11:30 AM - 11:45 AM, Jun 25

● **Lanfranco, R. et al. - Body ownership signals are prioritised for conscious access**

⌚ 11:45 AM - 12:00 PM, Jun 25

● **Liang, C. et al. - The distinction between first-person perspective and third-person perspective in bodily self-consciousness**

⌚ 12:00 PM - 12:15 PM, Jun 25

● **de Boer, D. - Making 'sense' of agency: the bodily self has a time and place**

⌚ 12:15 PM - 12:30 PM, Jun 25

10:30 AM

Concurrent Session - Neural Correlates of Consciousness

🕒 10:30 AM - 12:30 PM, Jun 25

8 Subsessions

- **Turker, B. et al. - Complex brain states with high connectivity enhance conscious perception of threshold stimuli**
🕒 10:30 AM - 10:45 AM, Jun 25
- **Parfenov, E. & Duncan, N. - Insula cortex structural connectivity gradients guide functional responses to an interoceptive task**
🕒 10:45 AM - 11:00 AM, Jun 25
- **Pereira, M. et al. - Intermittent beta bursts in the subthalamic nucleus are modulated by stimulus detection and associated confidence**
🕒 11:00 AM - 11:15 AM, Jun 25
- **Yadav, T. et al. - Early and late changes in intracranial EEG activity in tactile conscious perception**
🕒 11:15 AM - 11:30 AM, Jun 25
- **Aerts, S. et al. - Covert detection and investigation of brain networks in auditory conscious perception**
🕒 11:30 AM - 11:45 AM, Jun 25
- **Milinković, B. et al. - Discovering Emergence in Complex Neural Systems**
🕒 11:45 AM - 12:00 PM, Jun 25
- **Hopkins, A.R. et al. - Effects of low-intensity focused ultrasound (LIFU) stimulation to the central thalamus and the globus pallidus on consciousness**
🕒 12:00 PM - 12:15 PM, Jun 25
- **Szczotka, J. - Beyond the cerebral cortex - the striatum's unique contributions to consciousness**
🕒 12:15 PM - 12:30 PM, Jun 25

Concurrent Session - Visual Metacognition

🕒 10:30 AM - 12:30 PM, Jun 25

8 Subsessions

- **Mihali, A. et al. - Introspective inference counteracts perceptual distortion**
🕒 10:30 AM - 10:45 AM, Jun 25
- **Stern, Y. et al. - 'Eye am sure but I don't know it': gaze reflects implicit sensorimotor confidence in explicit beliefs**
🕒 10:45 AM - 11:00 AM, Jun 25
- **Myers, C. et al. - Knowing what I don't know: Visual guessing**
🕒 11:00 AM - 11:15 AM, Jun 25
- **Van Marcke, H. et al. - The metacognitive hierarchy: bi-directional interactions between local and global confidence**
🕒 11:15 AM - 11:30 AM, Jun 25
- **Peters, M.A.K. & Rong, Y. - Computational rationality approaches to arbitrating models of cognition: a case study using perceptual metacognition**
🕒 11:30 AM - 11:45 AM, Jun 25
- **Rutiku, R. et al. - A large-scale investigation of structural brain correlates of metacognition.**
🕒 11:45 AM - 12:00 PM, Jun 25
- **Lachowski, W. - Why are confidence ratings of visibility non-binary? Understanding the mysterious graded transition between unconscious and conscious perception.**
🕒 12:00 PM - 12:15 PM, Jun 25
- **Recht, S. & Yeung, N. - Signatures of efficient coding in perceptual metacognition**
🕒 12:15 PM - 12:30 PM, Jun 25

10:30 AM

Concurrent Session - Unconscious Processes

🕒 10:30 AM - 12:30 PM, Jun 25

8 Subsessions

● **Shao-Min, S. et al. - Semantics induces invisibility in an audiovisual illusion**

🕒 10:30 AM - 10:45 AM, Jun 25

● **Vetter, P. et al. - Fearful faces guide the eyes before reaching visual awareness**

🕒 10:45 AM - 11:00 AM, Jun 25

● **Ciorli, T. et al. - Dissociation between conscious and unconscious self-face processing in Developmental Prosopagnosia: evidence from Binocular Rivalry and breaking-Continuous Flash Suppression**

🕒 11:00 AM - 11:15 AM, Jun 25

● **Amerio, P. et al. - Featural blindsight in a 2-Interval Forced-Choice task**

🕒 11:15 AM - 11:30 AM, Jun 25

● **Preston Lennon - Phenomenal Thought and the Unconscious Thought Paradigm in Psychology**

🕒 11:30 AM - 11:45 AM, Jun 25

● **Chen, G. et al. - Dual-task paradigm reveals unconscious speech perception during Inattentional Deafness**

🕒 11:45 AM - 12:00 PM, Jun 25

● **Trübtschek, D. et al. - Can we learn information non-consciously? - Exploring the relationship between non-conscious working memory and statistical sequence learning**

🕒 12:00 PM - 12:15 PM, Jun 25

● **Tal, A. et al. - Knowledge organization under the hood: the benefits of unconscious memory reactivation**

🕒 12:15 PM - 12:30 PM, Jun 25

12:30 PM

Lunch

🕒 12:30 PM - 1:15 PM, Jun 25

Break for lunch. Not catered - list of local options provided

1:15 PM

Poster Session 3 + Coffee

🕒 1:15 PM - 2:00 PM, Jun 25

2:00 PM

Symposium: Animal Consciousness Beyond Mammals

🕒 2:00 PM - 4:00 PM, Jun 25

📍 Tishman Auditorium

L. Syd M Johnson, Jonathan Birch, Andrew Crump, Matilda Gibbons, Peter Godfrey-Smith

4:00 PM

Poster Session 3 + Coffee

🕒 4:00 PM - 5:00 PM, Jun 25

📍 Greenberg Lounge

5:00 PM

William James Prize Lecture: Elisabeth Parés Pujolràs

🕒 5:00 PM - 5:45 PM, Jun 25

📍 Tishman Auditorium

5:45 PM

Closing Remarks, including poster competition results and next year's host presentation

🕒 5:45 PM - 6:30 PM, Jun 25

📍 Tishman Auditorium

8:00 PM

End-of-Conference Party

🕒 8:00 PM - 11:55 PM, Jun 25

📍 Amity Hall

Poster Session 1 (Friday 23rd)	
Authors	Title
Adélaïde de Heering and Axel Cleeremans	What do steady-state visual evoked potentials tell us about the neural markers of subliminal images and about the neural correlates of subjective visibility?
Aïda Elamrani	Artificial Consciousness and Chatbots
Alessandra DallaVecchia et al.	Describing different critical points in conscious and unconscious states using TMS-EEG
Alexandre Piot et al.	Repeated ayahuasca use increases structural covariance in networks associated with 'self' processing
Amit Regev Krugwasser et al.	Neural Correlates of the Embodied Sense of Agency: A Pre-registered EEG Study
Aniko Kuzstor et al.	Peeking behind the veil: exploring altered visual perception in derealisation
Antje Peters et al.	Neural correlates of consciousness in an inattentive numbness paradigm
Arthur Le Coz et al.	Exploring the dynamics of conscious experiences in narcolepsy
Beatrice P. De Koninck et al.	Trajectories of consciousness and functional recovery: A longitudinal case series of five brain-injured patients
Brenna Hagan et al.	Dementia as a Disorder of Consciousness
Céline Souchay et al.	Sport metacognition: How do basketball players use the visual cue to assess the outcome of their free throws?
Chiara Caporuscio	Tripsitter or guide? A second-person perspective on psychedelic-assisted therapy
Chiara Mazzi et al.	Mapping the functional asymmetry of visual processing
Christophe Menant	Evolution of Self-Consciousness. Pan-Homo Split and Anxiety Management
Clara Colombatto and Steve Fleming	Inferring metacognition in humans and machines
Dehua Liang et al.	An investigation of the relationship between fMRI and MEG functional connectivity using data from the Human Connectome Project
Devin Terhune and Naya Polychroni	Mind wandering as inference
Dorian Goueytes et al.	Intracranial markers of evidence accumulation subserve confidence judgments and changes of mind
Dragana Manasova et al.	Multimodal assessment of Disorders of Consciousness using parallel EEG, anatomical, functional, diffusion MRI, and PET recordings
Eliran Halali et al.	Between self-interest and social preferences – A neuromodulation approach to establish the role of cognitive-control
Emma Chen et al.	Cost of changing one's mind reflects conscious intent in free and instructed selections
George Deane	The unconscious mind in the predictive brain
George Evangelou and James Moore	Predictability of haptic feedback affects awareness of intentions and actions: evidence from the Libet clock
Gina Gilpin et al.	Investigating the neural circuit underlying subjective perception through a novel speech illusion
Hsin-ping Wu et al.	Looking up or looking down: Towards a behavioral measure of experienced first-person perspective and its modulation by gravity
Ignacio Cea	Continuous Organismic Sentience: a Challenge for Artificial Consciousness
Ivan Mindlin et al.	Simulation of pharmacological treatments for recovery from disorders of consciousness using Whole Brain Modeling
Jérôme Sackur et al.	The frequency and duration of off-task episodes
Jingyi Ma et al.	Cross-modal correspondence between tactile onomatopoeia and color and its association with affective response
Johan Eriksson et al.	Identification of task-relevant information but no control of selective spatial attention for unconscious information
Joost Haarsma and Peter kok	On the neural dynamics underlying high confidence false percepts
Joshua Clingo	The Dyadic Relationship between Consciousness and Meaning
Justyna Hobot et al.	Naturalistic use of psychedelics is related to emotional reactivity and self-consciousness: The mediating role of ego-dissolution and mystical experiences
Karla Matic and John-Dylan Haynes	Overflowing oceans or overflowing puddles? Rethinking the evidence from partial report experiments.
Katarzyna Hat et al.	Prediction of the metacognitive abilities across sensory modalities from resting-state fMRI
Kelly Hoogervorst et al.	Individual differences in metacognition and anterior prefrontal cortex functional connectivity
Kenneth T. Kishida et al.	Computing Conscious Experience: Reinforcement Learning, Neuromodulatory Systems, and Dynamic Changes in Phenomenal Experience.
Kinga Ciupińska et al.	Searching for domain-general and domain-specific neural correlates of auditory and visual consciousness - behavioral and ERP findings
Kristen Kilgallen and Jorge Morales	What's the Best Way to Know Oneself? The Role of Internal and External Feedback on Metacognitive Enhancement
Laura Convertino et al.	A pattern completion account of contextual and semantic influences on source (false) memory.
Leah Banellis et al.	Brain-stomach biomarkers of psychiatric symptoms, interoceptive awareness and bodily attention.
Lisa Luan	Subjective, physiological and EEG effects of continuous infusions of DMT
Lotta Ottensmeyer et al.	Measuring the duration of an illusory motion percept – Findings from a staircase probe procedure with the Ring Rotation Illusion

Poster Session 1 (Friday 23rd)	
Lucas Jeay-Bizot et al.	Neural precursors of spontaneous decisions reflect general preparation to act rather than decision content
Luis Carlo et al.	The effect of guided Bilateral Eye Movements and Changing Visual Input on the detection of gradual changes in emotional faces
Magdalena Jaglinska et al.	Time Tripping: Reductions in asynchronous neural communication supports changes in consciousness induced by LSD
Mahault Albarracin et al.	Hierarchical markov blanket consciousness
Marek Binder et al.	Investigation of the gamma-range auditory steady-state responses as a biomarker of awareness in disorders of consciousness
Marika Constant et al.	Subjective confidence judgments promote stronger use of prior information than in decisions, even when accounting for differences in processing time
Miriam Han et al.	Coma Prognostication Using EEG Responses to a Clinically Relevant Propofol Infusion
Monja Hoven et al.	Differences in metacognitive functioning between obsessive - compulsive disorder patients and highly compulsive individuals from the general population
Naji L.N. Alnagger et al.	Reduced effective connectivity and capacity for integration during propofol loss of responsiveness assessed through network responses to a modelled perturbation
Nir Lahav and Zachariah Neemeh	Can physics solve the hard problem of consciousness? The new solution of the relativistic theory of consciousness
Pablo Mallaroni et al.	Still you: connectome fingerprints across psychedelic states of consciousness
Pech Guillaume et al.	How arbitrary and deliberate decisions differ when studying the neuroscience of volition.
Qiantong Wu	Dreaming experience as immersive imagination: Response to the problem of dream report by Schwitzgebel
Rajanikant Panda et al.	Brain spatiotemporal complexity and turbulent dynamics increases by hypnosis induction in healthy individual and patients with fibromyalgia
Regan Harle et al.	The neurobiology of language mediates alterations in conscious experience induced by psychedelic drugs
Robert Balas et al.	Evaluative conditioning under limited cognitive resources: a tDCS study
Rose Guingrich and Michael S. A. Graziano	Chatbots that are perceived as conscious and human-like can give social and emotional benefits to frequent users
Ryo Hanashima and Junji Ohyama	Ownership for the body presented in third-person perspective investigated by VR experimental psychology
Sonia Mele et al.	Subcortical structures of the visual system can process faces also in the absence of perceptual awareness
Urszula Górska et al.	Low gamma auditory steady-state response is sensitive to the level of arousal and awareness during natural sleep.
Uwe Mattler and Nicolas Becker	Forward masking reduces priming effects of unconscious visual stimuli
Vincent Weber et al.	Implicit Semantic Processing as Revealed by Representational Similarity Analysis Applied to EEG
Vladimir A. Aksyuk	Consciousness is learning: predictive processing systems that learn by binding may perceive themselves as conscious
Yannis Idir et al.	Talk-To-Me: is it possible to communicate with sleepwalkers during an episode ?
Yen-Ju Feng and Po-Jang Hsieh	Decoding facial information without awareness under dis-continuous flash suppression
Yen-Tung Lee	Role Representationalism as a Solution to Perceptual Variation without Illusion
Zefan Zheng et al.	Which Visual Features in Consciousness are Automatically Consolidated in Memory: Employing a Single Stimulus Design in Massive Online Testing

Poster Session 2 (Saturday 24th)	
Authors	Title
Afik Faerman and David Spiegel	Neuropsychological profiles of top-down modulation of conscious experiences in hypnosis
Aishwarya Bhonsle and Carsten Schmidt-Samoa	Decrease in perceptual suppression correlates with increased heart rate
Albert Louis Philippe et al.	Robotically induced Presence Hallucination in healthy participants alters numerosity perception of digital humans
Alex Lepauvre et al.	Variational RSA applied to iEEG data
Amélie Barbier	The social role of sleep, dreams and visions in the Koryak village of Tymlat (Kamchatka, Russian Far East)
Angeliki Charalampaki and Elisa Filevich	The role of tactile information on metacognitive representations of agency
Antonio Cataldo et al.	Active self-touch restores bodily self-awareness altered by the rubber hand illusion
Arthur Shapiro	Color is how the brain creates and demarcates visual space
Audrey Lamy-Proulx et al.	Reverse correlating the content of mental images with electroencephalography
Aya Khalaf et al.	fMRI-based decoding approaches to test contradicting predictions of global neuronal workspace and integrated information theory
Brian Key and Deborah Brown	The sense making sense hypothesis
Chris J.A Moulin and Fabien Carreras	Towards a measure of metacognition in autobiographical memory
Christopher J. Kymn	How neural similarity spaces can inform the metaphysics of perceptual experience
Daiki Kiyooka et al.	Single-cell resolution functional networks in mice during NREM sleep are segregated into spatially distributed modules
Daniel Skorich	Why are We Conscious? Cooperation Between Neural Signals as Replicators and the Emergence of Phenomenal Experience.
Dariusz Asanowicz et al.	Proactive action control is associated with theta activity in the mid-frontal and right lateral-prefrontal areas
David Alais et al.	tCFS: A new 'CFS tracking' paradigm reveals uniform suppression depth regardless of target complexity or salience
David N. Silverstein et al.	How might subcortical structures contribute to the readiness potential?
Dvija Mehta	Quantifying Creative Intelligence in Generative Models & Why Consciousness Matters
Eleftheria Pistolas et al.	Ganzfeld induced alterations in consciousness
Elizaveta Baranova-Parfenova et al.	Exploring the neural basis of time perception: an fMRI study on the effects of pause duration in temporal reproduction task
Emilia Flo et al.	What drives intersubject correlation during passive listening?
Enyu Lin et al.	Trait affect regulation predicts lower levels of negative affect in dreams
Gabriel Vogel et al.	The neural correlates of everyday confabulation and choice blindness: a fMRI study
Genji Kawakita et al.	Is my "red" your "red"?: Unsupervised alignment of qualia structures via optimal transport
Giusi Pollicina et al.	Semantically congruent sounds increase perceptual dominance times of human images during binocular rivalry
Ilona Kotlewska et al.	Extended self: neural correlates of self-face and personal objects perception
Jason Karlawish et al.	What is it like to be a person with advanced dementia?
Jiangaho Liu et al.	
Joanna Sweklej et al.	Intuitive judgments of semantic coherence depend on perceptual and semantic fluency
Joel Frohlich et al.	A dissociation between EEG entropy at slow and fast timescales in non-pharmacological altered states of consciousness
Jonas Mago	Neurophenomenology of High Arousal Contemplation: Speaking in Tongues and Jhana Meditation
Juan Carlos et al.	Toward the Systematic Study of Attribution of Consciousness to Artificial Conversational Agents
Laouen Belloli et al.	Studying latent representations of Disorder of Consciousness using VAEs on EEG-to-Marker translations
Liam J. Norman and Robert W. Kentridge	Neural populations involved in the sparse encoding of visual diversity: an fMRI adaptation study
Ling Liu et al.	GNW vs. IIT: Decoding of consciously perceived stimuli in the MEG signal
Lucia Melloni et al.	Putting theories to test: an overview of the Cogitate Consortium - an open science adversarial collaboration testing GNW and IIT
Mar Estarellas Garcia et al.	MEG MARKERS OF AROUSAL AND CONSCIOUSNESS IN EARLY ALZHEIMER'S DISEASE
Maximilian P. Wolkersdorfer and Thomas Schmidt	Reshaping priming effects through response-deadline variation
Nanna M. Strid et al.	DOES EMOTIONAL LANGUAGE USE IN DREAM AND MIND-WANDERING REPORTS REFLECT MENTAL WELL-BEING AND ILL-BEING?

Poster Session 2 (Saturday 24th)	
Noam Goldway et al	The analgesic and dissociative properties of ketamine are separate and correspond to distinct neural mechanisms
Ondřej Bečev et al.	High-frequency rTMS over right inferior parietal cortex alters sense of agency: an rTMS/EEG study
Ophir Netzer	Suboptimal Inference of the Self? Physiological Signals Dissociate Explicit and Implicit Measures of Agency
Oscar Ferrante et al.	Testing Global Neuronal Workspace and Integrated Information Theory with Magnetoencephalography: Analyzing Activation and Synchronization in the Brain
Paavo Pylikkanen	Informational theories of consciousness
Pablo Rodríguez-San Esteban et al.	Boosting conscious perception through attention and neuromodulation
Panagiota Theodoni	A neural network model for the distributed nature of conscious content
Paul Linton	Consciousness: How Low Can You Go?
Paul Z. Cheng et al.	An fMRI replication study using a subjective colour preference task to probe self-related networks
Paweł Orłowski et al.	Perception of facial emotional expressions in experienced users of classic psychedelics: a cross-sectional ERP study
Paz Bar-Tal et al.	UnReal? Kinematic responses to deviations from Sense of Reality
Pedro T. Palhares and Óscar F. Gonçalves	Complex Consciousness in Musical Experiencing: A TMS-EEG investigation of brain complexity during jazz improvisation
Po-Jang (Brown) Hsieh et al.	P3b does not reflect contents of visual awareness
Qilong Xin et al.	Subcortical mechanisms of visual perception: preliminary results from thalamic recording and stimulation
Rami Gabriel	The Thick Present: Matter as Memory
Ryu Ohata and Henrik Ehrsson	Bodily illusion enhances subjective fear by margin-of-safety violation around the experienced self
Sabrina Lenzoni et al.	Electrophysiology of memory monitoring: the role of sensory processing in age-related changes in error awareness
Sarah C. Kimmel et al.	Modeling and Predicting the Attention of Other Individuals
Sarah H. McGill et al.	Thalamic Awareness Potential Elicited in Mice
Satoshi Nishida et al.	Neural signature of phenomenological attitude toward perceptual experience
Seyedmehdi Orouj et al.	An enhanced, task-relevant autoencoder approach to characterizing information transfer between high-level visual and cognitive regions in the brain
Sidath Rankaduwa et al.	The Effects of Psilocybin on Top-Down Visual Illusions and Cognition
Simon Henin et al.	Decoding the content of consciousness in iEEG
Stefano Ioannucci and Petra Vetter	Congruent sounds boost dynamic biological motion stimuli into visual awareness
Victor Oswald et al.	Brain interoceptive fingerprint of self-induced cognitive trance
Victoria E. Gobo et al.	Pupil size as a real-time marker of arousal and perception state
Xie Wenlan et al.	Development and changes of children's prosocial behavior: a Bayesian network analysis
Yamil Vidal et al.	Contrasting the predictions of the Global Neuronal Workspace theory and Integrated Information Theory using fMRI conjunction maps
Yoshinori Nanjo et al.	Neural Substrates of Metacognition Under Sequential Decision-Making
Youngzie (Zoe) Lee and Martin M. Monti	Investigating Dimensions of Consciousness for a Comprehensive Assessment of Phenomenological Experience
Yunxuan Zheng et al.	Blurring the lines between cognition and metacognition: the case of meta-metacognition

Poster Session 3 (Sunday 25th)	
Authors	Title
Adrien Kérébel et al.	Experimental investigation of the dynamics of spontaneous thoughts
Alan Voodla et al.	A computational approach to affect generation in perceptual decisions
Alessia Ruyant-Belabbas et al.	Can patients with Disorders of Consciousness encode and recover new memories? A high-density EEG feasibility study
Alicia Franco-Martínez et al.	Replicating the unconscious working memory effect: A multisite preregistered study.
Angela Shen et al.	Characterizing the metaperceptual function across visual field location and signal quality
Anna Eiserbeck et al.	When the philosophical zombie smiles at you – Believing a face to be computer-generated affects perception and emotional processing
Anne Felsenheimer et al.	Reaching for ourselves: Decoupling movement and touch to explore the adaptability of self-touch
Benjamin Rohaut et al.	Multimodal assessment of prognostic markers in clinically unresponsive ICU patients outperforms unimodal predictions
Benjy Barnett and Stephen M. Fleming	Neural Representations of Sensory and Numerical Absence
Brandon Chen and Biyu J. He	Dissociating the effects of attention and expectation on threshold-level object perception
Chris Rourk	The Catecholaminergic Neuron Electron Transport (CNET) Action Selection Mechanism Hypothesis
Dan Burnston	Representing Relations Perceptually
David Aguilar-Lleyda et al.	Opposite effects of observational learning on performance and confidence
David Carmel et al.	Is predictive processing involved in priming of visual awareness across the visual field?
David S. Jin et al.	State-based and event-based mechanisms of awareness of action
Dezhi Luo	The implication of hedonic reversal in BDSM practices to the study of emotional consciousness
Dmitri Filimonov	The Influence of Feature-Based Attention and Response Requirements on ERP Correlates of Auditory Awareness
Dylan Ludwig	Functions of Consciousness in Emotional Processing
Emilie Caspar et al.	On the neural basis of the sense of agency in a civilian and a military population
Estefania Vargas Gonzalez and Isabelle Arnulf	Sighs during sleep: an early sign of brainstem neurodegeneration?
François Stockart et al.	How does the brain represent the presence vs the absence of a stimulus?
Hardik Rajpal et al.	Are brain oscillations emergent?
Jasmine Walter et al.	Dreaming and mind wandering in disorders of consciousness
Jiayang Liu Sieu et al.	Increased neural activity in the lateral septum is associated with cortical slow waves and impaired consciousness in an awake mouse model of temporal lobe seizures
Joanna Mash et al.	Strange face illusions – a novel model with preliminary supporting empirical evidence.
Joaquim Streicher et al.	Scanning the Neural Correlates of Consciousness: When Can Scientists Claim an Indirect Task Advantage? The Case of fMRI Studies
Johannes Kasper et al.	Uncertainty-oriented active sampling for motor learning results in unconscious confirmatory motor behavior
Joshua Cain et al.	Inducing Deep Meditation with Focused Ultrasound
Julia E. Rathmann-Bloch et al.	The experience of memory: How eye movements inform the relationship between memory accuracy and retrieval confidence
Junchao Hu et al.	Guidance of eye movements by animate versus inanimate object images in the absence of visual awareness
Ken Mogi	Interface between humans and artificial intelligence in conscious judgement processes.
Ken Takeda et al.	Assessing the structural consistency of mental representations of natural objects with unsupervised alignment
Kevin Ortego and Viola Stoermer	EEG correlates of rapid filling-in and perceptual awareness in a contour erasure paradigm
Kira Dolhan et al.	Assessing the Diagnostic and Prognostic Value of Three-Node Network Motifs in Coma Using General Anesthesia
Kristjan Loorits	Explanatory Relevance of Nonstructural Qualia
Lara C. Krisst et al.	Dissociative Theories of Consciousness: EEG Decoding During a Sperling Task Variant
Léa Monoucy et al.	Valence colors all our perceptions, but do perceptions have to be conscious for that to happen?
Letian Lei et al.	Threat Extinction Outside of Visual Awareness
Lucie Berkovitch et al.	Ketamine effects on consciousness in healthy controls, an electroencephalography study
Madalina Sas Pedro et al.	Consciousness, Metacognition and Emergence in a collective game
Manuel Schabus et al.	Searching for predictive coding during sleep: First results of a full-night MEG/EEG study using auditory stimuli
Marlo Paßler	The exclusionary approach to consciousness
Marriah Alcantara	Narrative Selfhood and Animals: Identifying Desiderata of a Theory of the Self
Mattia Galigani et al.	A combined binocular rivalry-fast periodic visual stimulation protocol reveals a preferential processing in visual awareness for male faces

Poster Session 3 (Sunday 25th)	
Maximilian Kathofer et al.	The altered mind: is increased synergistic information processing driving ketamine's anti-anhedonic properties?
Michael Angyus et al.	A Spike in Entropy Precedes the Mismatch Negativity ERP, Providing A Direct Link Between Computational Prediction Error and Neural Activity Associated with Prediction Error
Mona-Marie Wandrey	Managing uncertainty in disorders of consciousness
Paola Magioncalda and Matteo Martino	A working model of the relationship between phenomenal experience and brain functioning in psychosis
Patxi Elozegi et al.	Think twice: Re-assessing confidence improves metacognitive sensitivity
Paul W. Savoca et al.	The Role of Interoceptive Efficiency in the Experience of Arousal and Mental Health
Pedro A.M. Mediano et al.	The DebiaSyn Toolbox: Pushing the Boundaries of Information-Theoretic Estimators for Neuroimaging Data
Peter Lush et al.	Why do people have the ability to change subjective experience so as to misrepresent reality?
Pierre Le Denmat et al.	How do we learn to be accurately confident ?
Rachel Metzgar and Michael Graziano	A link between social cognition and visual consciousness
Raoul Lisa et al.	Multiple experiences of the self during adolescence: a psychometric network analysis
Ryoichi Watanabe et al.	Young children's discrimination and metacognition performance with congruence effect at a brief glance of a natural scene photograph.
Sebastian Dohnany et al.	Do Biological Cells Perceive? Applying Perceptual Information Processing Metrics to Single Cells
Sergio Ponce de Leon et al.	Detecting sensory-evoked changes in conscious contents using the perturbational complexity index
Stephanie Alcock et al.	Reconceptualising creativity: the paradoxical interplay between conscious control and unconscious processing
Sucharit Katyal	Consciousness as a 'phenomenal resource' underlying contents and states
T. Anderson Keller and Max Welling	Modeling Visual Illusions with Autoregressive Recurrent Neural Networks
Tomáš Dominik et al.	The neuroscience of volition: a newcomer's guide
Uri Korisky et al.	Predictions about stimulus depth only partially explain why real objects are prioritized over their photographs in access to awareness
Vincent S Astl Delgado et al.	Does the neurobiology of language mediate LSD-induced changes in higher-order consciousness?
Wiktoria Jakubowska et al.	Disentangling EEG correlates of consciousness and attention. The effects of cueing on detection, identification and ERPs.
Xiaoyu Wang and Adrian M. Owen	Global Field Time-Frequency Representation-Based Discriminative Similarity Analysis of Passive Auditory ERPs for Diagnosis of Disorders of Consciousness
Xueqian Deng	Can thoughts be read from the brain? A defense for Wittgenstein
Yarden Shir et al.	Reexamining the functional significance of the readiness potential: Does it index decision-making or anticipation?
Yasuhiro Oisi et al.	A top-down cortical circuit triggers somatosensory perception
Yu-Hsin Lee and Po-Jang Hsieh	No evidence for unconscious rhythmic information processing under monocular entrainment
Zheng Zhang et al.	Determining the Neuroanatomical Basis of Unconsciousness in Patients with Acute Ischemic Stroke