

Tuesday 23

C1	Ontology of consciousness	
13	Marius Schmick	Four-valued logic of consciousness
114	Peter Boffet	Deflationary nonreductive physicalism. May awareness be 'structure' consciousness, and may AI have it?
142	Michela Zadra-Goldman	The Nature of Consciousness
245	Lorena D'Angelo	On the Non-Sensory Nature of Valent Experience
271	Jakub Mihalik	Phenomenally Manifest Subjectivity and the Experiential Multiplication Problem

C1 Epistemology

301	Anton Kuznetsov	How Illusionism Serves for the Existence of Phenomenal Consciousness
308	Rex Welshon	Joint Attention, Extended Attention, Joint Extended Attention, and Joint Extended Consciousness
401	Alberto Barberi	A Phenomenal Character-Based Account of the Phenomenal Unity of Consciousness
423	Andrea Velardi	On the possibility of a strong emergentist account of consciousness
399	Elisabetta Sacchi	Perceptual Content, Phenomenal Character, and Externalism

C1 Machine consciousness

322	Anja Lueje	Towards a criterion for assessing conscious processing in AI systems
325	Jesper Tegner	Unity of our Awareness of Being in the World commits Subjective Agency a Will to Survive
345	Iris Oved	The View from Outside the Matrix: Doing Philosophy of Mind and Cognitive Science with Virtual Worlds
181	Giuliano Staravido	Prospects for Integration as a Solution to the Combination Problem
30	Luís Mazas	Mind as a processor of conscious and unconscious mental contents

C1 Neuroscience

408	Robert Pepperell	Consciousness as a product of energy transfer in complex material systems
103	Sofia Mila Fröhlich	A Theoretical Study of the Role of the Outlier in Convex Neural Networks in Consciousness
149	Marxine Wilson	Spontaneous fNMR-cube Reversals are not that Spontaneous – An EEG Study
303	Maria Benomio	A graph model of sound encoding in the ear
91	Jesús Martín-Fernández	Awake neurosurgery for brain tumors in polyglot patients: Do languages share the same brain regions?

C1 CogScience & Psychology

372	Beverly Zabrickie	The Dreams of Scientists
166	Kathryn Sims	Assessing Dogs' Attention to Their Owner: Self-Face Interactions with Household Dogs
400	Elin Joos	Explicit and implicit measures of temporal order judgments in Schizophrenia and Bipolar Disorders
426	Damachath O Connell	The Unity of Consciousness and the Subject of Experiences
334	Angelo Geminiani	Report from a Tibetan monastery

C1 Physical Science & Biology: Quantum

14	Catalina Oana Curceanu	Testing Quantum Mechanics Underground and measurements of Biophotons from Germinating seeds in laboratory
7	Bogdan Orăsculescu	The Minkowski & from the Penrose quantum bit. Continuation of John Wheeler's "It from Bit" concept.
32	Matti Pitkäranta	Comparison of Orch-Orch hypothesis with the TGD point of view
130	Joachim Kessler	A Field Theoretical Model of Brain Dynamics Reveals the Mechanism Underlying Macroscopic Quantum Coherence and its Significance for the Formation of Conscious States
256	Betsy Adams	Nuclear spin quanta: quantum coherence and entanglement in the brain

C1 Quantum approaches

120	Daniel Sheehan	Beyond Turing: Testing for AI Sentience via Pre cognition
98	Byeong-Seo Choi	Study on a Topological Quantum Computation Model for the Orch OR Theory
247	Wolfgang Teichgraber	A Concept of Intentionality Based on Complexity Science
452	Alessandro Chiodini	Liquid Intelligence: advancements across the synthetic domain
365	Avik Shmishany	Proposing a solution to the hard problem by extending Sartre's PQM approach

C1 Culture & Humanities

136	Yael Zisser	Archetypal Symbolism and Altered States of Consciousness in Prehistory
47	Mette Haug	The value of literature in the age of neuroscientism
403	Harald Walach	In Praise of Death – A Critique of the Transhumanist Program of the Abolition of Death
327	Karsten Wendland	AI Consciousness – Insights from a Technology Assessment Perspective.
16	Rouven Berne	A Phenomenologically Informed New Ethics of Engineering and Technology: Implications of other-than-human consciousness

Wednesday 24

C2	Philosophy	
94	Craig Delancey	Kolmogorov Complexity and Consciousness
418	Ron Christley	Physical omniscience and meta-knowledge: Why Mary learns what it is like to see red when she leaves the black and white room
190	Artem Besedkin	Methodological Illusionism About Qualia
202	Davide Bordini	Self-Representationism, Intimacy, and Mental Representation
213	Bradford Saad	Dancing Qualia Revisited

C2 Perception

387	Alex Moran	Visual Illusion and Objective Looks
413	Daniel Kim	Naïve Realism and Sensorimotor Theory: A New Response to the Problem of Perceptual Presence
278	Kraml Seran	Against GDTMC Hallucination
198	Joseph Neisser	Memory experience, metamemory feelings, and the doctrine of consciousness
346	James Putz-Boyce	Meaning to Mean: A Precondition for Sentience and Understanding in Large Language Models

C2 Panpsychism

71	David Builes	To Be Is To Be Conscious
477	Pavlo Pyrkhonen	Active Information, neural processes and conscious experience
318	Andrew Bailey	A New (Jamesian) Panpsychism
348	Robert Van Gulick	The "Combination Problem", physicalism, integration theories of consciousness and virtual selves.
433	Abre Fournier	Humanity's Transformation from Industrial to Noospheric Selves

C2 NCC

109	Giovanni Marascu	Bricks of consciousness: the role of canonicalizing signaling in incidental learning and reality testing
151	James Pagel	The Neuroelectric Fields of Consciousness
165	Daniel Montoya	What Is It Like To Be A Brain Organoid? Implications of Biological Neural Networks for Consciousness and AI
216	Adam Elsen	Propofol induced unconsciousness destabilizes neural dynamics across cortex
237	Paradelios Boulakis	Large-scale cortical deactivations precede episodes of mind-blanking during ongoing meditation

C2 Neuroscience

232	Richard Silberstein	Brain Functional Connectivity Correlates of Anomalous Interaction Between Separately Isolated Monogenic Teloms
264	Ksenia Toropova	The effects of associative learning on neural activity and functional networks for consciousness and AI
287	Azadeh Hassannejad Nazari	Investigating the neurodynamics of interactivity in terms of attractor networks
288	Alessandro Scaglione	Social Interaction Enhances Inter-Brain Synchrony
306	Hans Liljenström	On the Evolution of Intentional Complexity

C2 CogScience & Psychology

158	Makayla Vermette	Connections between Self-Reported Inner Speech, Theory of Mind, and Self-Awareness
159	Debbie du Boir	Making 'sense' of agency: the bodily self has a time and place
167	Nadia Kolenikova	Validity and Reliability of Inner Speech, Theory of Mind, and Self-Awareness Questionnaires
222	Despina Arantele	Exploring the clinical utility of choice blindness: Generalization of effects and necessity of deception
307	Fernando Rodriguez	Frame by frame? A minimal time consciousness model

C2 Physical Science & Biology

64	Akihiro Nishijima	Non-equilibrium Quantum Field Theory in a Hierarchy
462	J. Bruno DeBorja	Electromagnetic field (EMF) theories of consciousness: experimental evidence.
263	Alibab Kouchakzadeh	Perception of Time's Passage in Quantum Consciousness Theories
177	Martin Timms	Experimental Geometrical Musical Language (GML) Nested Clock Universes, the Definition of Bindu and the Philosophical Similarities to One That Arises from Simulation
227	Vasilios Basios	Non-local correlation deviations of randomness as traces of critical consciousness-state changes.

C2 Art and virtuality

82	Valentina Cardella	A disquieting muse: zombies and philosophy
231	Nick Day	Open Your Eye: Psychodelics, Cinema and Consciousness
298	Valdi Dhanin Mofrad	Are real and virtual experiences indistinguishable? Diamond-bodied brain in a vat vs embodied brain in a world
147	Denise Doyle	Consciousness and Cognition, Embodiment and Virtual Reality
331	Bruno Neri	Summer School "Consciousness and Cognition": an integrated multidisciplinary approach of the University of Pisa between Western and Eastern traditions

Concurrent Sessions TSC2023

Thursday 25

C11	Perception	
3	Amand Valpey	Nyctia on Perception and Illusion in Relation to the Debate over Disjunctivism
225	Charles Passos	What do recurrent processing theories predict about infant consciousness?
451	Geoffrey Lee	The Methodological Puzzle and the Prospects for a Theory of Consciousness
326	Heeyoon Choi	Attention and the Spatial Phenomenology of Auditory Experience
398	Aleksandra Mroczko-Wasowicz	Perceptual experience and its objects

C11 Representational issues

95	Benjamin White	Intersubjectively Recognizing All the Faces of the Self
344	Leo Lepiano	Meditations on Gender Identity
172	Brandt van der Gaast	Phenomenal States, Analog Representation, and Hume's Missing Chain of Ills
182	Jason Ford	Visual Snow Syndrome and Representationalism
214	Bar Lason	Representation is Re-presentation

C11 Machine Consciousness

435	Masataka Matsubae	A Platform for Experimental Validation of Various Hypotheses on Consciousness and Seamless Mind-Uploading
14	Ignacio Infante	Artificial consciousness and ethics in social, collaborative robots: a discussion on realistic scenarios and RACE model decisions
302	Aida Elamrani	To what extent can machines be conscious?
78	Danny McAnran	A Test for AI Consciousness
158	Caroline Proffon	Will Quantum Computing Enable Strong Artificial Intelligence?

C11 The Hard Problem

162	Hans Rull	Interpreting the Mind: Outlining an Integrated Hermeneutic Model for the Study of Human Consciousness
195	Mehmet Dogan	Possibility of Artificial Consciousness: A Discussion on the Hard and Hardest Problems
214	Javier Galadí	Identity across the life span and consciousness
305	Jeff Sugar	Putting the Subject back into Consciousness and Mental Health
316	Ryder Dale	The Trouble with Consciousness as a Mental State

C11 NCC

219	Samuel Rasche	Neural activity patterns underlying the awareness of visual motion
268	Elend Kroupi	The Effect of DMF on EEG Complexity and Mutual Information Connectivity
276	Aureli Soria-Früh	Graph Neural Network for the two-dimensional characterization of consciousness
405	Andrea Lavazza	Human brain organoids, a new frontier in consciousness studies
132	Jonathan Edwards	The Case for Neuronal Conscious Experience

C11 CogScience & Psychology

208	Robert Fuchs	Harmonic holography with the Pseudomorph poly-time crystal: A linguistic 128-bit post-quantum error correction code for the reality hologram.
402	Maria Ruffa	Bayesian Networks for Artificial Consciousness
72	Andrew Budson	Consciousness as a Memory System
219	Ken Magi	Consciousness as collective intelligence of neurons
240	Carolina Maria Dietto	The Homocopy Illusion is not an illusion

C11 Physical Science & Biology

108	Chris Fields	From fundamental symmetries to basal cognition
161	Grigor Hammarby	Structural and Functional Perturbations of Microtubules by Electromagnetic Fields
228	Rajesh Khanna	Microtubules are involved in plant responses to anesthetics
55	Uriel Awret	"Universe in a Bottle" - Consciousness in Space vs. Consciousness as Space, From de Sitter to Lovinas.
269	Malcolm Lowe	The Linguistic Roots of Consciousness

C11 The concept of consciousness

148	Justin D'Ambrosio	The indeterminacy of Consciousness
256	Gergely Csörgő	The problematic of the "new" and the criteria of scientificity in the area of consciousness
304	Danielle Fanelli	Consciousness as Metaknowledge: towards an account based on pattern encoding and information compression
349	Albert Newen	The AARAI theory of consciousness: a two level theory of phenomenal consciousness
321	Krzysztof Dolaga	Phenomenal properties are virtual properties

Friday 26

C12	Monism	
333	Garrett Mindt	Information, Consciousness, and Digital Reality
453	Ralph Weir	Substance Dualism and the Meta-Problem of Consciousness
56	Brian Archibald	Modal Monism and the Combination Problem of Consciousness
476	Marta Santucci	Perspectival Neutral Monism
359	Michael Silberstein	Neutral Monism: A New Foundation for the New Integrated Science of Consciousness

C12 Philosophy of Consciousness

282	Tobias Schlicht	Predictive Processing and Consciousness
409	Myrto Mylopoulos	Higher-Order Approaches to Consciousness and the Dilemma of Perceptual Presence
356	Anna Gustina	Inner Acquaintance Theories of Consciousness
260	Lukasz Karwowski	The "real" is not different from "hard"
385	Renee Ye	Theoretical Commitment in the Comparative Study of Consciousness

C12 Psychodelics

174	Marco Fabus	Dynamic Brain States Underlying Ketamine Dissociation
311	Zsuzsanna Tóth	Tripping in Extended Reality: Psychodelic Use of the Future
456	Valerio Pascucci	Psychodelic research as a data-intensive science
446	Giuseppe Vitiello	Non-linear Dynamics and Chaotic Trajectories in Brain-Mind Visual Experiences during Dreams, Meditation, and Non-Ordinary Brain Activity States
153	Nir Tadmor	Phenomenology of psychodelic integration

C12 Phenomenological approaches

394	Jessica Bickel	The objective and the subjective: A Husserlian Take on the Explanatory Gap and the Terms of applying Phenomenology in a Natural Scientific Setting
138	Burton Voorhees	Why a Science of Consciousness is Essential for the Next Developmental Stage of Science
218	Matthew Williams	Inactive Cognition as Foundation for an Anti-Individualist Epistemology
230	Andrei Martalari	Prospects of the Psychological Approach to Personal Identity in the Context of Moral Responsibility
90	Brad Caldwell	Rings of Fire: How the Brain Makes Consciousness

C12 Neuroscience

135	Irene Rembado	Perturbing the Brain to Measure Distinct Conscious States and Track Cortico-Thalamic Causal Interactions
439	Michell Head	Neuroethical Implications of Focused Ultrasound for Neuropsychiatric Illness
353	Elan L Othman	From Homeostasis to Homodynamics: A Physiological Examination of the Confluence of Agency, Identity and Sentience
138	Jonathan Schooley	Hierarchical Consciousness: The Nested Observer Windows (NOW) Model
220	Thomas Brophy	Precursor: Platonic world and Orch OR Quantum Collapse Models in the context of Property Dualism Actual Theory

C12 CogScience & Psychology

236	Remigiusz Lucycki	Developing an affordable system to investigate human pain perception in the hundred millisecond time scale
171	Junichi Takano	Self-Aware Robots and Free Will
300	Andreas Chatzopoulos	The role of simulations in Cognitive Science
270	Stefan Schmidt	The Neurophenomenology of Volition: Revisiting the Libet Task with First-Person Methods
152	Larry Fort	Embodied Perceptual Moderation: How Interoceptive and Exteroceptive Engagement Affect Perceptual Performance

C12 CogScience & Psychology

224	Anthony Lambert	Incidence of aneurysms and aphantasia, and associations of sensory imagery with measures of personality and well-being in a large New Zealand sample.
226	Zoltan Szepel	Auditory Imagery and the Phonological Loop
249	Azadeh Mohebbi Farzadkhah	Visual imagination can influence visual perception – a new experimental paradigm to measure imagination
441	Maja Gutman	Humans, Dreams, and Machines: How computational models enhance our understanding of dreams
314	Gábor Quigley-Tump	Associations of Visual and Auditory Imagery With Occupational Choice

C12 Epistemology of consciousness

500	Roumiana Tsenkova	Water as Quantum Field Connecting Micro and Macro World
152	Amal Alachkar	Aromaticity and Emergence of Consciousness
420	Alessio Piche	Conscious Language Models: Lessons from Animal Studies
242	Peter Farkas	Sensory representations, perceptual reality monitoring, and the status of higher-order theories of consciousness
160	Petter Johansson	Using Magic to Study the Impact of Future Neurotechnology

Saturday 27

C13	Free Will	
58	André LeBlanc	Free Will and the Evolution of Consciousness: A Jamesian Thought Experiment
61	John Callender	Art, Free Will and Moral Value
65	Peter Ellis	Pan-idealism: a novel metaphysical position that is consistent both with libertarian free will and contemporary physics
89	Steven Gouveia	Free Will and Determinism: A Neurophilosophical Analysis
175	Sandeep Gupta	Free Will & Consciousness

C13 Phenomenology

11	Navreet Chopra	Enactive vs. Perceptual: A Thought Experiment Using Müller-Lyer Illusion
246	Eugeny Logvinov	Does Monism argument refute Illusionism?
254	Andrea Pace Giannotta	Naturalizing phenomenal intentionality
260	Daniel Weger	Structuralist representationalism about phenomenal consciousness
272	Giuseppe De Luca	Continuity of consciousness and deep sleep awareness in Upasadhic tests

C13 Mental causation

176	Ana Brito	The Impact of Libet's Mind-Time Theory of Consciousness on Criminal Law
235	Yair Pinto	The algorithm dodging paradox
248	Elena Draghici-Vasilescu	Some dilemmas concerning the notion of Free will
293	Karina Vold	Augmenting the dimensions of consciousness
383	Joshua Bergamin	Free (Y) Agency: Towards a Phenomenology of Musical Inspiration

C13 Neuroscience

207	Prisca Bauer	"All of a sudden I see myself" – a microphenomenological analysis of out of body experiences in epilepsy
284	Kathleen Palt	What Types of Messages do People Perceive from the Departed? A Qualitative Study on the Nature of After-Death Communication
312	Jonathan Dinnman	Let There Be Light: A Mixed Methods Investigation of Mystical Luminosity Experiences
243	Viktoria Duda	Reincarnation and the Simulation Hypothesis
359	Sergio Fumero	Behavioral and neural evidence of subliminal multisensory integration challenge the prevailing theories of consciousness

C13 CogScience & Psychology

273	Konstantin Anokhin	Consciousness as a global percolation in the neural hypernetwork
62	Joshua Cain	Enhancing the Meditative Experience with Ultrasound Neurostimulation
223	Lena Undén	Self-boundariness in the brain
419	Rosalia Laura Grotto	An approach to the Freudian Unconscious by a logical model of quantum spins
88	Cecily Whitely	Natural Kinds of Sleep Experience

C13 NeuroSci and Medicine

119	Nancy Woolf	Quantum mind theory reveals what needs to be fixed in Alzheimer's disease: the protein of entanglement
215	Rui Costa	Visual snow, attention, and altered states of consciousness
364	Tania Re	Italian Psychics: a new challenge to study consciousness
324	Roger Russell	Moveto Ergo Sum: Consciousness and Moving
279	Alina Stadenova	On the relevance of alpha rhythm modulation to the generation of readiness potential

C13 Evolution & Cognition

67	John Sankey	The new paradoxes the key that unlocks
83	Allan Combs	The Evolutionary Ascent of Consciousness
75	Ingrid Fredriksson	Consciousness influences epigenetics
86	James Rutherford	A Multidimensional Understanding of Human Nature and Consciousness
442	Brian Lord	Using Transcranial Focused Ultrasound to Alter Default Mode Network and Subjective Experience

C13 Art and Consciousness

281	Milda Al-Slamah	Theatre of Consciousness: lecture-performance on mental imagery in self-organizing performances
475	Hito Sugawara	Transmission of awakening and 11 levels of well being
150	Anik Chaturvedi	Reconsidering the "Memory Argument" for Reflexive Awareness
102	Adriano Mendini	Exploring non-ordinary states of consciousness with Authentic Movement: Applications for psychotherapy, creativity, and personal transformation
463	Azul DelGrasso	Visionary Art as Evolving Consciousness