	Tuesday July 12th	Wednesday July 13th	Thursday July 14th	Friday July 15th
9:00	Tutorials session 1	Concurrent talks 1 - 4	Parallel symposia 1 & 2	Parallel symposia 3 & 4
9:30				
10:00				
10:30				
11:00		Coffee	Coffee	Coffee
11:30		Keynote prof. Bayne	Keynote prof. Roelfsema	Keynote prof. Tracey
12:00		Reynolo pion Bayne	rteynole prof. rteensenia	Reynole prol. Habey
12:30		On site lunch		
13:00	Tutorials session 2			
13:30		Poster session 1 – 'de	Poster session 2 – 'de	Poster session 3 – 'de
14:00		Brug'	Brug'	Brug'
14:30			Ŭ	Ŭ
15:00				
15:30		Consciousness debate	Concurrent talks 5-8	Concurrent talks 9-12
16:00	16:15 Opening	part 1		
16:30	Presidential address			
17:00	prof. Pacherie	Snacks	1	
17:30	Keynote prof. Sergent	Consciousness debate	Canal boat tour	17:45 William James Prize
18:00		part 2		18:15 Closing ceremony
18:30				
19:00	Reception – Hotel Arena		Conference dinner -	
19:30			Noorderlicht	
20:00				
20:30				
21:00				Conference party –
21:30				Brazilian Roots

Program ASSC 25 Amsterdam

The conference takes place at the Roeterseiland Campus of the University of Amsterdam in buildings A and C. The registration/information desk in hall A will be open from 8:00 until 19:00 on Tuesday, and from 8:00 until 17:00 on all other days.

Note:

- The opening, closing, the great consciousness debate, and all keynotes will also be streamed in rooms Stock Market (A1.02) and Fahrenheit (A1.03) for those who prefer more space.
- The parallel symposia will be streamed as well. Symposia in room Fire Hose (C1.03) will be streamed in room Stock Market (A1.02), and symposia in room Bluetooth (C1.04) will be streamed in room Gin (C0.02).

Tuesday July 12th

9:00-12:00

Tutorials session 1

A practical guide to collaborative consciousness science	Rony Hirschhorn	A2.06
	Csaba Kozma	
	Tanya Brown	
	Alex Lepauvre	
Information theory tools for practical analyses of neuroscientific data	Pedro A.M. Mediano	Stock
	Fernando E. Rosas	Market
	Daniel Bor	(A1.02)
Modeling metacognition using the HMeta – d toolbox	Stephen Fleming	A2.10
Neurophenomenology and micro-phenomenology to the study of the	Adriana Alcaraz Sanchez	Fahrenheit
subjective experience	Fynn-Mathis Trautwein	(A1.03)
	Ema Demšar	
	Ohad Nave	

- 1	2:00	`	12.0	\cap
	Z.U/	, —	1.5.0	v

Lunch at own initiative

13:00-16:00	Tutorials session 2				
Fitting SDT, meta-d' and package	Fitting SDT, meta-d' and other ordinal models using the bhsdtr2 Borysław Paulewicz A2.08 package A2.08 A2.08 A2.08				
Integrated information theory – overview and recent developments towards IIT 4.0		Larissa Albantakis William Marshall Melanie Boly	Stock Market (A1.02)		
The ethics of animal consciousness		Timo Stein Matan Mazor	A2.10		
The inner workings of registered reports		Zoltan Dienes	A2.06		
Time and consciousness	3	Paula Droege	Fahrenheit (A1.03)		

16:15 – 16:30	Opening by Lucie Charles (Executive Director) and Simon	Windmill
10.15 - 10.30	van Gaal (General Chair conference)	(A0.01)

16:30 - 17:30

Windmill (A0.01)

Shared experiences

We are conscious creatures but we are also hyper-social creatures. Indeed, some of our more vivid experiences appear to be shared experiences: the joy experienced by supporters when their team wins a game, the sense of joint agency experienced by the team members when playing together or the memories evoked when old war veterans reminisce together. However, the exact nature of such shared experiences remains difficult to pin down. In what sense must experiences be related to qualify as shared experiences? What specific subjective qualities, if any, characterize them in contrast to purely individual experiences? What are the cognitive processes responsible for their emergence? What are the factors modulating these experiences? How can they be studied experience of joint agency as my main case study, I will delineate a conceptual framework for approaching this phenomenon and present some recent empirical work. In closing, I will highlight some of the many outstanding questions we face and promising avenues of research.

17:30 - 18:30

Keynote by prof. Claire Sergent

Windmill (A0.01)

The global workspace and the global playground: a functional perspective on consciousness beyond

task-related processes

When we contrast how the brain processes the same external stimulation according to whether we report it as perceived or not, we observe a whole series of neural events that correlate with this conscious report. One of the challenges we are now facing in consciousness research is to identify, among these correlates, what corresponds to core mechanisms of conscious access, and distinguish them from upstream events, such as early sensory processing, that influence the future conscious or unconscious fate of an information, and from downstream events that reflect a mere consequence of conscious access, such as the possibility to engage in explicit decision-making tasks or reports. Here I will present the results of two experimental approaches that we are currently developing in my team to perform this dissection, and I will discuss their potential for identifying neural signatures of conscious access such as the global workspace model, to explain conscious experience beyond task-related processes.

19:00 - 22:00

Reception

Hotel Arena

Walking distance from the conference site. Students/organisation will show you the way. There will be small bites and some more substantial dishes.

9:00-11:00	Concurrent talks 1 – Perceptual Consciousne	ess 1	Fire Hose (C1.03)
Tonic catecholamine ac	tivity and spatial attention jointly shape visual	Stijn Nuiten	9:00
perception			
Visual ambiguity facilita	tes access to consciousness	Nadav Amir	9:15
Using Saccade-Induced	Change Blindness to Refine Existing Theories of	Brian Odegaard	9:30
Conscious Perception			
Perceptual expectations and false percepts generate stimulus-specific Joost Haarsma			
activity in distinct layers	of the early visual cortex		
Perceptual Awareness I	Negativity - does it reflect awareness or attention?	Michal Bola	10:00
Reproduction, but not c	onfidence, can dissociate conscious perception	Nicolás Sánchez-	10:15
from non-perceptual bias Fuenzalida			
How to create new visual illusions (and why it matters) Arthur Shapiro			10:30
Two Puzzles for Attention Science Rebecca Keller			10:45

9:00-11:00	Concurrent talks 2 – (Measuring) unconsc	ious processes	Bluetooth (C1.04)
Unconscious reactions	and reactions to unconscious stimuli	Tomáš Dominik	9:00
0 0 0	sing: a possible solution to the problem of in unconscious processing studies	Itay Yaron	9:15
Measurement Error and the Investigation of Unconscious Mental Simone Malejka Processes Simone Malejka			
How (not) to underestin	nate unconscious perception	Matthias Michel	9:45
Feasibility of Unconscious Instrumental Conditioning: A Registered Ryan Scott Replication Replication			
Adaptively conscious: Stimulus awareness is necessary for bothLina Skorainstrumental learning and responding to previously learned stimuli			
Validating the threshold	of conscious sensory perception	Aaron Schurger	10:30
Bias in assessing awar processes	eness in research on unconscious mental	David Shanks	10:45

9:00-11:00	Concurrent talks 3 – Consciousness in the cli	inic	Stock Market (A1.02)
Stimulation of the subth perception	nalamic nucleus increases confidence in conscious	Audrey Kist	9:00
Minor hallucinations an	d cognitive decline in Parkinson's disease	Fosco Bernasconi	9:15
Neural signatures of un seizures	nresponsiveness vs unconsciousness during	Urszula Gorska	9:30
Breathing patterns sign disorders of conscious	al consciousness state, recovery and survival in ness	Anat Arzi	9:45
	rphine-related neural mechanisms in severe brain- olonged disorders of consciousness	Emilie Szymkowicz	10:00
1 9 0	erpretable and quantitative screening of Disorders and behavioural responsiveness	Michele A. Colombo	o 10:15
-	CS in Patients with Disorders of Consciousness: A le Blind Randomized Trial	Aurore Thibaut	10:30
High density EEG signation consciousness during R	atures of connected vs disconnected REM sleep	Benedetta Cecconi	10:45

Concurrent talks 4 - Philosophical and experimental approaches Gin 9:00-11:00 to understanding perceptual experience (C0.02) Does consciousness emerge? Carolyn Dicey Jennings 9:00 The Emperor's New Markov Blankets Manuel Baltieri 9:15 Nicholas Shea 9:30 Conscious appreciation of the reliability of an inference 9:45 Phenomenal consciousness: in search of property Σ Herman de Regt Background organismic sentience, a key bridge between life and mind Ignacio Cea 10:00 Sensory qualities and labelled lines: the case of thermosensation Patrick Haggard 10:15 Nitzan Micher 10:30 Role of Conscious Perception in Semantic Processing Oryan Zacks 10:45 Imagination - constructing an internal conscious landscape

11:00 - 11:30

Coffee

Hall A

11:30 – 12:30	Koupoto bu prof. Tim Poupo	Windmill
11.30 - 12.30	Keynote by prof. Tim Bayne	(A0.01)

Organoids, Androids and the Consciousness Club

At present, the creation of conscious agents involves techniques that will be familiar to anyone who has spent time on a farm or taken a sex education class. These techniques will surely remain popular, but we may soon have new ways to create conscious agents. One possible path to synthetic consciousness involves human brain organoids; another involves AI systems, such as the descendants of IBM's Watson and DeepMind's AlphaZero. Even if neither of these paths do in fact lead to the creation of synthetic consciousness, they are likely to lead to the creation of artefacts that might reasonably be taken as conscious. These developments raise a number of deep and difficult questions. Should we expand the membership of the 'consciousness club' by creating new kinds of conscious agents, or would any attempt to bring new kinds of conscious entities into existence be morally problematic? Whose interests should we take into account in considering whether or not to create synthetic consciousness? What difference would (or should) consciousness make to our treatment of artefacts? This talk explores these (and other) questions, focusing on how debates about the nature of consciousness might influence their answers.

12:30 – 14:00 Lunch Hall A	
----------------------------	--

	Poster session 1		
13:30 -15:30 Topics: time perception; confidence and metacognition; disorders of consciousness; interoception, pain and emotion; methods and paradigms; philosophy of mind; unconscious processes; volition; perceptual consciousness			rug' / ridge
Time perception			#
Participatory time-making:	the co-embodied relational basis of time-consciousness in	Anna Ciaunica	1
humans			
Confidence and metaco	ognition		
A low-dimensional approxi	mation of optimal confidence	Pierre Le Denmat	2
Action planning modulates	perceptual confidence	Remi Sanchez	3
Decision confidence under	lies both attractive and repulsive history biases	Robin Vloeberghs	4
Expectations about precisi	on bias metacognition and awareness	Helen Olawole-Scott	5
Getting drowsy but knowin	g you are doing it worse: impaired performance but preserved	Joaquim Streicher	6
metacognition as we fall as	sleep		
Identifying shared markers	of evidence accumulation and confidence using stereotactic	Nathan Faivre	7
electroencephalography			
Individual Differences in the Vividness of Visual Imagery and Episodic Memory Nora Andermane			
Is Metacognition Domain-specific or Domain-general? Astrid Emilie Lund			
Manipulating prior beliefs of	causally induces under- and overconfidence	Hélène Van Marcke	10
Mind wandering as inference: contextual cues shape mind wandering reports Naya Polychroni			

Modulation of the Centroparietal Positive Potential by Strength and Amount of Evidence and its Relation to Decision Confidence	Maximilian Bruchmann	12
	Audum Managainus	40
Noradrenaline encodes surprise and confidence during learning in stochastic and changing environments	Audrey Mazancieux	13
Reward makes it feel less costly: subjective experience of effort is constructed weighing	Gaia Corlazzoli	14
contextual cues		14
Should I sample or should I go: Deciding when to stop sampling and how confidence	Esin Turkakin	15
relates to stopping decisions		10
Why does it feel good to be sure? A unifying framework of decision confidence and affect	Alan Voodla	16
Comparing signal detection theoretic models of visual metacognition	Manuel Rausch	17
Pre- and post-decisional event-related potential (ERP) correlates of decision confidence	Yiu Hong Ko	18
are differentially related to decision accuracy		
Differential relationship between response dynamics and the formation of confidence	Helen Overhoff	19
varies across the adult lifespan		
Metacognitive domains do not group based on internal vs. external sources of information	Polina Arbuzova	20
	Marlou Nadina Parquin	21
Subjective attentional focus and fluctuations in objective task performance are reliable but unrelated traits	Marlou Nadine Perquin	21
Bayesian meta-analysis reveals increase in metacognitive efficiency through feedback	Sucharit	22
New goal-dependent evidence bias in human decision confidence: experimental	Pradyumna Sepulveda	23
avidance and theoretical incidete		
-	Vuono Zhong	04
-	Yuena Zheng	24
Dynamic Causal Modelling of a Neural Network Supporting Decision Confidence	Yuena Zheng Meline Devaluez	
Dynamic Causal Modelling of a Neural Network Supporting Decision Confidence		24 25
evidence and theoretical insights Dynamic Causal Modelling of a Neural Network Supporting Decision Confidence Influence of prior knowledge on retrospective episodic memory confidence judgments Disorders of consciousness Ketamine to treat disorders of consciousness: a pilot protocol		
Dynamic Causal Modelling of a Neural Network Supporting Decision Confidence Influence of prior knowledge on retrospective episodic memory confidence judgments Disorders of consciousness	Meline Devaluez	25 26
Dynamic Causal Modelling of a Neural Network Supporting Decision Confidence Influence of prior knowledge on retrospective episodic memory confidence judgments <i>Disorders of consciousness</i> Ketamine to treat disorders of consciousness: a pilot protocol Probing the threshold of conscious perception in patients with disorder of consciousness	Meline Devaluez Paolo Cardone	25 26 27
Dynamic Causal Modelling of a Neural Network Supporting Decision Confidence Influence of prior knowledge on retrospective episodic memory confidence judgments <i>Disorders of consciousness</i> Ketamine to treat disorders of consciousness: a pilot protocol Probing the threshold of conscious perception in patients with disorder of consciousness Developing a theoretical framework for multimodal diagnostic assessment for disorders	Meline Devaluez Paolo Cardone Martina Corazzol	25 26 27
Dynamic Causal Modelling of a Neural Network Supporting Decision Confidence Influence of prior knowledge on retrospective episodic memory confidence judgments <i>Disorders of consciousness</i> Ketamine to treat disorders of consciousness: a pilot protocol Probing the threshold of conscious perception in patients with disorder of consciousness Developing a theoretical framework for multimodal diagnostic assessment for disorders of consciousness	Meline Devaluez Paolo Cardone Martina Corazzol	25 26 27 28
Dynamic Causal Modelling of a Neural Network Supporting Decision Confidence Influence of prior knowledge on retrospective episodic memory confidence judgments <i>Disorders of consciousness</i> Ketamine to treat disorders of consciousness: a pilot protocol	Meline Devaluez Paolo Cardone Martina Corazzol Jasmine Walter	25 26 27 28
Dynamic Causal Modelling of a Neural Network Supporting Decision Confidence Influence of prior knowledge on retrospective episodic memory confidence judgments <i>Disorders of consciousness</i> Ketamine to treat disorders of consciousness: a pilot protocol Probing the threshold of conscious perception in patients with disorder of consciousness Developing a theoretical framework for multimodal diagnostic assessment for disorders of consciousness Perturbational Complexity Index detects capacity for consciousness before recovery of behavioral responsiveness in subacute brain-injured patients	Meline Devaluez Paolo Cardone Martina Corazzol Jasmine Walter	25 26 27 28 29
Dynamic Causal Modelling of a Neural Network Supporting Decision Confidence Influence of prior knowledge on retrospective episodic memory confidence judgments <i>Disorders of consciousness</i> Ketamine to treat disorders of consciousness: a pilot protocol Probing the threshold of conscious perception in patients with disorder of consciousness Developing a theoretical framework for multimodal diagnostic assessment for disorders of consciousness Perturbational Complexity Index detects capacity for consciousness before recovery of behavioral responsiveness in subacute brain-injured patients Propofol-induced changes in EEG aperiodic component has diagnostic value for patients	Meline Devaluez Paolo Cardone Martina Corazzol Jasmine Walter Mario Rosanova	25 26 27 28 29
Dynamic Causal Modelling of a Neural Network Supporting Decision Confidence Influence of prior knowledge on retrospective episodic memory confidence judgments <i>Disorders of consciousness</i> Ketamine to treat disorders of consciousness: a pilot protocol Probing the threshold of conscious perception in patients with disorder of consciousness Developing a theoretical framework for multimodal diagnostic assessment for disorders of consciousness Perturbational Complexity Index detects capacity for consciousness before recovery of behavioral responsiveness in subacute brain-injured patients Propofol-induced changes in EEG aperiodic component has diagnostic value for patients in disorders of consciousness	Meline Devaluez Paolo Cardone Martina Corazzol Jasmine Walter Mario Rosanova	25 26 27 28 29 30
Dynamic Causal Modelling of a Neural Network Supporting Decision Confidence Influence of prior knowledge on retrospective episodic memory confidence judgments <i>Disorders of consciousness</i> Ketamine to treat disorders of consciousness: a pilot protocol Probing the threshold of conscious perception in patients with disorder of consciousness Developing a theoretical framework for multimodal diagnostic assessment for disorders of consciousness Perturbational Complexity Index detects capacity for consciousness before recovery of	Meline Devaluez Paolo Cardone Martina Corazzol Jasmine Walter Mario Rosanova Charlotte Maschke	25 26 27 28 29 30
Dynamic Causal Modelling of a Neural Network Supporting Decision Confidence Influence of prior knowledge on retrospective episodic memory confidence judgments <i>Disorders of consciousness</i> Ketamine to treat disorders of consciousness: a pilot protocol Probing the threshold of conscious perception in patients with disorder of consciousness Developing a theoretical framework for multimodal diagnostic assessment for disorders of consciousness Perturbational Complexity Index detects capacity for consciousness before recovery of behavioral responsiveness in subacute brain-injured patients Propofol-induced changes in EEG aperiodic component has diagnostic value for patients in disorders of consciousness	Meline Devaluez Paolo Cardone Martina Corazzol Jasmine Walter Mario Rosanova Charlotte Maschke	25 26 27 28 29 30 31
Dynamic Causal Modelling of a Neural Network Supporting Decision Confidence Influence of prior knowledge on retrospective episodic memory confidence judgments <i>Disorders of consciousness</i> Ketamine to treat disorders of consciousness: a pilot protocol Probing the threshold of conscious perception in patients with disorder of consciousness Developing a theoretical framework for multimodal diagnostic assessment for disorders of consciousness Perturbational Complexity Index detects capacity for consciousness before recovery of behavioral responsiveness in subacute brain-injured patients Propofol-induced changes in EEG aperiodic component has diagnostic value for patients in disorders of consciousness Differences in EEG microstates dynamics among groups of patients with disorders of consciousness	Meline Devaluez Paolo Cardone Martina Corazzol Jasmine Walter Mario Rosanova Charlotte Maschke Dragana Manasova	25 26 27 28 29 30 31
Dynamic Causal Modelling of a Neural Network Supporting Decision Confidence Influence of prior knowledge on retrospective episodic memory confidence judgments <i>Disorders of consciousness</i> Ketamine to treat disorders of consciousness: a pilot protocol Probing the threshold of conscious perception in patients with disorder of consciousness Developing a theoretical framework for multimodal diagnostic assessment for disorders of consciousness Perturbational Complexity Index detects capacity for consciousness before recovery of behavioral responsiveness in subacute brain-injured patients Propofol-induced changes in EEG aperiodic component has diagnostic value for patients in disorders of consciousness Differences in EEG microstates dynamics among groups of patients with disorders of consciousness Spatiotemporal causal interactions show that posterior integration and thalamo- frontotemporal broadcasting are impaired in disorders of consciousness	Meline Devaluez Paolo Cardone Martina Corazzol Jasmine Walter Mario Rosanova Charlotte Maschke Dragana Manasova	25 26 27 28 29 30 31 31
Dynamic Causal Modelling of a Neural Network Supporting Decision Confidence Influence of prior knowledge on retrospective episodic memory confidence judgments <i>Disorders of consciousness</i> Ketamine to treat disorders of consciousness: a pilot protocol Probing the threshold of conscious perception in patients with disorder of consciousness Developing a theoretical framework for multimodal diagnostic assessment for disorders of consciousness Perturbational Complexity Index detects capacity for consciousness before recovery of behavioral responsiveness in subacute brain-injured patients Propofol-induced changes in EEG aperiodic component has diagnostic value for patiente in disorders of consciousness Differences in EEG microstates dynamics among groups of patients with disorders of consciousness Spatiotemporal causal interactions show that posterior integration and thalamo- frontotemporal broadcasting are impaired in disorders of consciousness Network criticality and its anesthetic-induced changes are associated with level of	Meline Devaluez Paolo Cardone Martina Corazzol Jasmine Walter Mario Rosanova Charlotto Maschko Dragana Manasova Rajanikant Panda	25 26 27 28 29 30 31 31
Dynamic Causal Modelling of a Neural Network Supporting Decision Confidence Influence of prior knowledge on retrospective episodic memory confidence judgments <i>Disorders of consciousness</i> Ketamine to treat disorders of consciousness: a pilot protocol Probing the threshold of conscious perception in patients with disorder of consciousness Developing a theoretical framework for multimodal diagnostic assessment for disorders of consciousness Perturbational Complexity Index detects capacity for consciousness before recovery of behavioral responsiveness in subacute brain-injured patients Propofol-induced changes in EEG aperiodic component has diagnostic value for patiente in disorders of consciousness	Meline Devaluez Paolo Cardone Martina Corazzol Jasmine Walter Mario Rosanova Charlotte Maschke Dragana Manasova Rajanikant Panda Guillermo E. Martinez	25 26 27 28 29 30 31 32 33
Dynamic Causal Modelling of a Neural Network Supporting Decision Confidence Influence of prior knowledge on retrospective episodic memory confidence judgments <i>Disorders of consciousness</i> Ketamine to treat disorders of consciousness: a pilot protocol Probing the threshold of conscious perception in patients with disorder of consciousness Developing a theoretical framework for multimodal diagnostic assessment for disorders of consciousness Perturbational Complexity Index detects capacity for consciousness before recovery of behavioral responsiveness in subacute brain-injured patients Propofol induced changes in EEG aperiodic component has diagnostic value for patients in disorders of consciousness Differences in EEG microstates dynamics among groups of patients with disorders of consciousness Spatiotemporal causal interactions show that posterior integration and thalamo- frontotemporal broadcasting are impaired in disorders of consciousness Network criticality and its anesthetic-induced changes are associated with level of consciousness in disorders of consciousness Preservation of cardio-audio regularity processing as a predictor of coma outcome	Meline Devaluez Paolo Cardone Martina Corazzol Jasmine Walter Mario Rosanova Charlotte Maschke Dragana Manasova Rajanikant Panda Guillermo E. Martinez Villar	25 26 27 28 29 30 31 31 32 33 33
Dynamic Causal Modelling of a Neural Network Supporting Decision Confidence Influence of prior knowledge on retrospective episodic memory confidence judgments <i>Disorders of consciousness</i> Ketamine to treat disorders of consciousness: a pilot protocol Probing the threshold of conscious perception in patients with disorder of consciousness Developing a theoretical framework for multimodal diagnostic assessment for disorders of consciousness Perturbational Complexity Index detects capacity for consciousness before recovery of behavioral responsiveness in subacute brain-injured patients Propofol-induced changes in EEG aperiodic component has diagnostic value for patients in disorders of consciousness Differences in EEG microstates dynamics among groups of patients with disorders of consciousness Spatiotemporal causal interactions show that posterior integration and thalamo- frontotemporal broadcasting are impaired in disorders of consciousness Network criticality and its anesthetic-induced changes are associated with level of consciousness in disorders of consciousness Preservation of cardio-audio regularity processing as a predictor of coma outcome Alterations in visual function and posterior metabolism correlate with consciousness	Meline Devaluez Paolo Cardone Martina Corazzol Jasmine Walter Mario Rosanova Charlotte Maschke Dragana Manasova Rajanikant Panda Guillermo E. Martinez Villar Andria Pelentritou	25 26 27 28 29 30 31 31 32 33 33 34
Dynamic Causal Modelling of a Neural Network Supporting Decision Confidence Influence of prior knowledge on retrospective episodic memory confidence judgments <i>Disorders of consciousness</i> Ketamine to treat disorders of consciousness: a pilot protocol Probing the threshold of conscious perception in patients with disorder of consciousness Developing a theoretical framework for multimodal diagnostic assessment for disorders of consciousness Perturbational Complexity Index detects capacity for consciousness before recovery of behavioral responsiveness in subacute brain-injured patients Propofol-induced changes in EEG aperiodic component has diagnostic value for patiente in dicorders of consciousness Differences in EEG microstates dynamics among groups of patients with disorders of consciousness Spatiotemporal causal interactions show that posterior integration and thalamo- frontotemporal broadcasting are impaired in disorders of consciousness Network criticality and its anesthetic-induced changes are associated with level of consciousness in disorders of consciousness	Meline Devaluez Paolo Cardone Martina Corazzol Jasmine Walter Mario Rosanova Charlotte Maschke Dragana Manasova Rajanikant Panda Guillermo E. Martinez Villar Andria Pelentritou	25
Dynamic Causal Modelling of a Neural Network Supporting Decision Confidence Influence of prior knowledge on retrospective episodic memory confidence judgments Disorders of consciousness Ketamine to treat disorders of consciousness: a pilot protocol Probing the threshold of conscious perception in patients with disorder of consciousness Developing a theoretical framework for multimodal diagnostic assessment for disorders of consciousness Perturbational Complexity Index detects capacity for consciousness before recovery of behavioral responsiveness in subacute brain-injured patients Propofol-induced changes in EEG aperiodic component has diagnostic value for patients in disorders of consciousness Differences in EEG microstates dynamics among groups of patients with disorders of consciousness Spatiotemporal causal interactions show that posterior integration and thalamo- frontotemporal broadcasting are impaired in disorders of consciousness Network criticality and its anesthetic-induced changes are associated with level of consciousness in disorders of consciousness Preservation of cardio-audio regularity processing as a predictor of coma outcome Alterations in visual function and posterior metabolism correlate with consciousness levels of brain-injured patients	Meline Devaluez Paolo Cardone Martina Corazzol Jasmine Walter Mario Rosanova Charlotte Maschke Dragana Manasova Rajanikant Panda Guillermo E. Martinez Villar Andria Pelentritou Leandro R. D. Sanz	25 26 27 28 29 30 31 32 33 33 34 35

Body-Wandering: Investigating the Subjective and Physiological Fingerprints of	Leah Banellis	38
Interoceptive Mind-wandering	Lean Daneins	00
Distinguishing Interoceptive Accuracy and Precision: A Multidimensional Psychophysical	Nicolas Legrand	39
Approach		
Heartbeat-evoked response and ongoing brain oscillations during interoceptive and	Emilia Fló	40
exteroceptive information processing predict attentional focus		
Incongruent interoceptive signals shift our attention to ourselves	Paradeisios Alexandros	41
	Boulakis	
The predictive brain in pain, cross-views from Bayesian inference and meditation	Arnaud Poublan-	42
	couzardot	
The perception of interoceptive signals in blind individuals	Dominika Radziun	43
Neural dynamics during experiencing different types of interoception	Yusuke Haruki	44
Affective expectations are modulated by the interplay between visceral signals and	Alexandrina Vasilichi	45
uncertainty of the sensory environment		
Conscious agency over breathing movements is coupled with automatic breathing motor	Sophie Betka	46
adaptation		
Methods and paradigms		
Consciousness Science needs some Rest	Marcin Koculak	47
Contextual Cueing: Evidence for Implicit Recognition or Not?	Sascha Meyen	48
Exploring Causal Emergence in simulated networks	Nadine Spychala	49
Tackling the Sampling Bias Problem when Estimating Information Decomposition	Juan Carlos Farah	50
Measures from Neuroimaging Data		
Telling between strong and weak null results using non-directional tests	Itay Yaron	5
The Consciousness Questionnaire	Renate Rutiku	52
Listening to experience: Improving neuroimaging with micro-phenomenology	Chris Allen	53
Dissociating subjective visibility and objective accuracy in time	Zefan Zheng	54
Dynamical Independence: Discovering emergent macroscopic processes in complex	Lionel Barnett	55
neural systems		
Disentangling Unique and Synergistic Components of Information Flow in Neuroimaging	Sebastián Dohnány	56
Data		
Role of Synergy and Redundancy in neural information flow of conscious and	Alberto Liardi	57
unconscious subjects		
Philosophy of mind		
Qualia as Perspective-Induced Nonstructural Impressions	Kristjan Loorits	5
Conscious and unconscious phenomenality: changes in the conceptual relations	Michal Polák	5
between phenomenality, what it is likeness and consciousness		0
Illusionism or non-computationalism: no easy solution to the problem of consciousness	Yair Pinto	60
How to get rich from inflation	Simon Brown	6
Unconscious processes		-
Semantic evidence accumulation without metacognition and awareness: evidence from	Patxi Elosegi	62

Statistical learning facilitates access to awareness	Luzi Xu	63
Unconscious Processing in the Wild: Multi-trial Inattentional Blindness in Virtual Reality	Rony Hirschhorn	64
Reversed association between discrimination performance and visibility reports	Pietro Amerio	65
Prime-induced illusion of control: The role of regression-to-the-mean artifacts	Fabian Kiepe	66
Awareness, attention, and threats - exploring the limits of unconscious fear reaction	Łucja Doradzińska	74
Volition		
Patterns of Introspection: Awareness of Intention in Matsuhashi task	Ondrej Becev	67
The Role of Mental Imagery in the Experience of Volition	Paulius Rimkevičius	68
How are the awareness of voluntary actions and the readiness potential impacted by peripersonal space and action-outcome?	Gaiqing Kong	69
Pupillary antecedents of spontaneous voluntary action	John Gavenas	70
Perceptual consciousness		
Presence-absence asymmetries in predictive perception	Matan Mazor	71
Implicit learning of realistic body movements in a virtual reality environment	Razvan Jurchis	72
Is informational overflow enough? A plea for dimensionality measures in consciousness science	Jérôme Sackur	73

	15:30 – 19:30 The Great Consciousness Debate Moderated by prof. Lucia Melloni & prof. Liad Mudrik		Windmill (A0.01)
1	Prof. S	tanislas Dehaene, prof. Stephen Fleming, prof. Melanie Boly,	
		prof. Anil Seth, prof. Victor Lamme	
ľ			
	19:00 – 22:00	Student Social boat party	Eye museum

Organised by the ASSC Student Committee, open to all undergraduates, graduates, and postdocs.

9:00-11:00	Parallel symposium 1 – The interplay between beliefs and perceptual awareness		Fire Hose (C1.03)
How do beliefs shape perception? Clare Press		Clare Press	
How do we separate beliefs from perception? Floris de Lange		Floris de Lange	
Epistemic structures in perception Zoe Jenk		Zoe Jenkin	
Learning, influence, and psychopathology impact perception Philip Corlett			

	Parallel symposium 2 – Global Neuronal Workspace vs.			
0.00 44.00	Integrated Information Theory: Methods, predictions, and		Bluetooth	
9:00-11:00	competing interpretations from the COGITATE adversarial		(C1.04)	
	collaboration			
War of the Worlds: A d	War of the Worlds: A dramatic reading of the COGITATE project Francis Fallon			
GNW vs. IIT: How to in	tegrate and test the theories' predictions	Urszula Górska		
GNW vs. IIT: From the	oretical predictions to empirical tests	Oscar Ferrante		
GNW vs. IIT: Decoding of consciously perceived stimuli in the brain Ling Liu (p		Ling Liu (presented by		
		Gabriel Kreiman)		

11:00 – 11:30	Coffee	Hall A
11:30 – 12:30	Keynote by prof. Pieter Roelfsema	Windmill (A0.01)

Interactions between cortical neurons that give rise to conscious perception

Why are some visual stimuli consciously perceived, whereas others remain subliminal? I will discuss how weak but simple stimuli reach access consciousness once they elicit a minimal level of activity in the frontal cortex, leading to their storage in working memory. For simple stimuli, the visual cortex apparently acts as a relay station that needs to pass the information to higher cortical areas but is not essential for report. However, we found that the perception of more complex visual stimuli relies on a more sustained interaction between visual cortex and associative brain regions, related to scene segmentation and visual attention. The implication is that the processes subserving conscious perception depend on the complexity of perceptual processing. These results pave the way for a genuine understanding of mechanisms for phenomenal and access consciousness in perception. I will propose a generalization of the distinction between phenomenal and access consciousness to memory, where some items are in iconic memory, others are in the focus of attention within memory and yet others are accessory, i.e. stored for later use. I will demonstrate how iconic memory are stored by persistent firing. Items in the focus of attention within working memory elicit more persistent activity than the ones that are accessory. The new results call for a re-evaluation of the relationship between consciousness and attention.

12:00 - 13:00

Lunch at own initiative

	Poster session 2		
13:30 -15:30	Topics: models and theories of consciousness; body, agency animal and machine consciousness; neural correlates and m functions of consciousness; ethics and morality; developmen states/levels of consciousness	echanisms; the bride	
Models and theories of	fconsciousness		#
Attributing awareness to t	he self and others	Rachel Metzgar	1
Deep neural networks trai speech	ned for speech recognition do not generalize to sine-wave	Yunkai Zhu	2
•	empirical challenge to integrated information theory	Amber Hopkins	3
Modelling the Dynamics o	f Consciousness with Mean-Field Differential Equations	Cornelia Sheeran	4
Unfolding underdetermina	tion in consciousness science	Marlo Paßler	5
Attractor landscapes in the	e (conscious, behaving) Bayesian brain	Eelke Spaak	6
Matching integrated inform	nation with the external world	Niccolo Negro	7
Minimal Models of Consci	ousness	Wanja Wiese	8
RateML: A Code Generat	ion Tool for Brain Network Models	Michiel van der Vlag	9
Towards integrating math	ematized phenomenology with the scientific study of	Robert Prentner	10
consciousness			
Phenomenal content and	nondual awareness	Zoran Josipovic	11
Brainish: Formalizing A M	ultimodal Language for Intelligence and Consciousness	Paul Pu Liang	12
Integrated Model for Cons	ciousness by Incorporating an Operator in Orch-OR Theory	Gregory Mathew	13
Self-Consciousness, Anxi	ety Management and Foresight. An Evolutionary Approach	Christophe Menant	14
A Genetic Basis for 16 Va	riations in Consciousness	James Olson	15
Explaining awareness with	h precision?	Daniel Yon	16
Axiomatic and graphical n	nathematics to describe the structure of experience	Camilo Miguel Signorelli	17
Fluency Alone Does Not E	Explain Illusory Truth	Nicolas Porot	18
The computation of consc	ious representations: questions and challenges	Monika Derda	19
Body, agency and the	self		
•	despite explicit instructions to detect false feedbacks:	Gabriel Vogel	20
· · · ·	Bayesian model of choice blindness	Tanana O' I'	
Conscious and unconscio	us influences on self-face perception	Tommaso Ciorli	21
Exploring Sense of Agence	y with Noninvasive Brain Stimulation: a tRNS/tACS study	Olga Laskov	22
	move therefore he is. Do motion kinematics encode	Asaf Applebaum	23
information regarding age	ncy processes?		

Inducing presence hallucinations by sensorimotor conflicts during locomotion	Selim Habiby Alaoui	24
Interplay of tactile and motor information in	Antonio Cataldo	25
constructing spatial self-perception		
Living in a Dream: Body and self experience during waking and dreaming states in depersonalisation.	Matt Gwyther	26
Neural Correlates of the Bodily Self: an fMRI study of Ownership and Agency	Ariel Shaked	27
Rekindling childhood memories by generating ownership for one's own younger face	Utkarsh Gupta	28
Bias-free quantification of body ownership in the rubber hand illusion: a signal detection study	Renzo Lanfranco	29
Inducing Out-of-body experiences through visuo-vestibular stimulation using mixed reality on a motion platform	Hsin-ping Wu	30
A non-linear relationship between self boundaries and perspectival ownership of experience	Lena Lindström	31
Tactile self-other-distinction in anorexia and autism	Rebecca Boehme	32
Being and having a body in development: what modulates bodily-self-consciousness during adolescence?	Raoul Lisa	33
Making 'sense' of agency: the self is coded with reference to its location in space	Debbie de Boer	34
On the influence of hierarchical environments on the human sense of agency	Emilie Caspar	35
Alleviating the measurement crisis in the body ownership field through the use of a dual target presentation format	Piotr Litwin	36
Somatic Alienation: what it's like, a hypothesised mechanism, and in investigative method	Kranti Saran	37
Animal and machine consciousness		
Jack of All Trades, or Master of One: Distinct Features Between Generalizable and Specialized Artificial Neural Representations	Alexandra Proca	38
On the link between conscious function and general intelligence in humans and machines	Ryota Kanai	39
Neural correlates and mechanisms		
"Laurel & Yanny": EEG Neural Correlates of an Auditory Bistable Language Stimulus	Alexander Franklin	40
A no-report dichoptic color fusion EEG paradigm for isolating NCCs	Madeleine Fenner	41
Cognitive control neural reconfiguration styles when under attentional or alertness stress	Margot Steijger	42
Disentangling Psychophysiological Correlates of Consciousness and Attention. The effects of cueing on the detection, identification and visibility.	Wiktoria Jakubowska	43
Domain-specificity of error monitoring: an ERP study	Sabrina Lenzoni	44
Electrophysiological correlates of auditory and visual awareness: in search for domain- specific and domain-general mechanisms of conscious perception	Kinga	45
Graviceptive contribution to first-person perspective: behavioral and fMRI neural correlates	Estelle Nakul	46
How working memory load affects conscious and unconscious neural processing of task- irrelevant acoustic stimuli	Laura Brockhoff	47
		48
Identifying content-independent neural correlates of awareness	Benjy Barnett	-10

Mindful mental states can modulate neural signals that encode food preferences	Constanza Baquedano	50
Modality-specific and modality-general electrophysiological correlates of visual and	Dmitri Filimonov	51
auditory awareness: Evidence from a bimodal ERP experiment		
Noradrenaline as a key neurotransmitter in modulating consciousness	Olympia Karampela	52
Propofol disrupts asynchronous functional connectivity architectures in the human brain	Greg Cooper	53
that are associated with the processing of complex stimuli		
Synergistic and redundant patterns of information across cortical regions underlie visual	Florian Burger	54
and auditory perception		
Thalamocortical causal communications in conscious perception	Byoung-Kyong Min	55
Tracking unexpected sensory events at different time scales dissociates modality-	Maria Niedernhuber	56
specific and supramodal dynamics along a cortical hierarchy		
Visual retro-cues reactivate past spoken words in a dichotic listening paradigm	Axel Garnier-Allain	57
Preserved electrophysiological markers of confidence in schizophrenia	Rouy Martin	58
EEG correlates of bodily self-consciousness during spatial navigation	Emanuela De Falco	59
Investigating the spatiotemporal dynamics of intracerebral EEG recordings to sounds	Daphné Rimsky-Robert	60
around the perceptual threshold in the presence and absence of a task		00
Early visual potentials at the sensory threshold are selectively modulated by cardiac and	Viviana Leupin	61
respiratory cycles	·····	
The 2-feature Simultaneous Type/ Serial Token model: behaviour and event related	Mahan Hosseini	62
potentials for distractor intrusion errors and a link between selective attention and access		
to consciousness		
A mechanistic model of the neural entropy increase elicited by psychedelic drugs	Rubén Herzog	63
Information flow among visually responsive ECoG sites in human cortex	Guillaume Corlouer	64
Functional MRI investigation of the brain networks subtending task-related versus task-	Julie Boyer	65
free auditory conscious perception		
Neurophysiological mechanism imaging during xenon-induced reduction of	Levin Kuhlmann	66
consciousness: Whole-brain-to-posterior shutdown process		
Conceptual associations generate sensory expectations throughout the visual system	David Richter	67
Neural correlates of subjective attention focus and objective task performance	Aline Bompas	68
A new low: Reassessing (and revising) the local recurrency theory of consciousness	Benjamin Kozuch	69
Neural Correlates or Difference Makers for Consciousness?	Sascha Fink	70
Training individual differences in color qualia: representations in time and space	Olympia Colizoli	71
The three major features of consciousness naturally emerge from non-deterministic	Elizabeth Stoll	72
computation in cortical neural networks		
A connectome-based model of conscious access in monkey cortex	Ulysse Klatzmann	73
Functions of consciousness		
How alertness affects detection and discrimination decision-making performance as we	Yanzhi Xu	74
fall asleep		
The two lives of visual working memory – what we remember and how we perceive it.	Renate Rutiku	75
Ethics and morality		
Majority of Consciousness Researchers Surveyed Support Open Science Practices	Olivia Lowrey	76
Despite Perceptions That Their Peers Are Less Supportive		

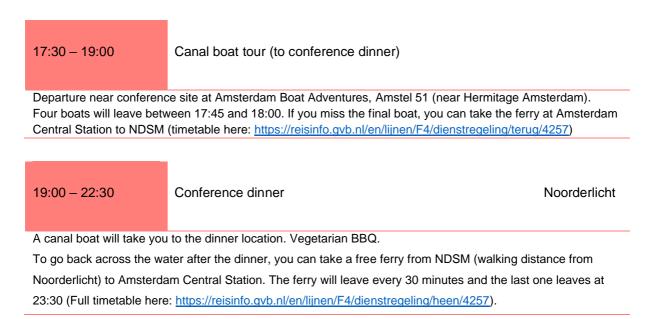
Development and learning		
Can we train students to predict their sports performance?	Lise Brun	77
States/levels of consciousness		
Spatiotemporal dynamics of flow experience: an EEG microstate analysis	Shiva Khoshnoud	78
Age-dependent attentional style and arousal regulate reportability of spontaneous mental states	Matthieu Koroma	79

15:30-17:30 Concurrent talks 5 – Models and theories of consciousness			Fire Hose (C1.03)
Representation of cont	ent in sustained viewing conditions: a case study	Gal Vishne	15:30
for consciousness theo	ries		
What do recurrent proc	essing theories predict about infant	Claudia Passos	15:45
consciousness?			
Can introspection rescu	ue causal structure theories, such as IIT, from the	Michael Herzog	16:00
unfolding argument?			
New developments of s	sensorimotor theory of phenomenal	J. Kevin O'Regan	16:15
consciousness: how dif	fferent types of voluntary control determine the		
'what it's like' of sensor	y, bodily, emotional and mental conscious		
experiences			
A Model of Unintention	al Mind Wandering	Isaac Christian	16:30
Ontogenetic emergenc	e as a criterion for theories of consciousness:	Asger Kirkeby-Hinrup	16:45
Comparing SOMA, GN	W and REF-CON		
The Strength of Weak	Integrated Information Theory	Pedro Mediano	17:00
How long-lasting postd	iction challenges local theories of consciousness	Adrien Doerig	17:15

15:30-17:30 Concurrent talks 6 – Neural correlates of conciousness 1		Bluetooth (C1.04)		
Decoding perceptual av	wareness across the brain with a no-report fMRI	Michael Cohen	15:30	
masking paradigm				
Distinct EEG bifurcation	n dynamics in report and no-report conditions of a	Michael Pitts	15:45	
visual masking paradig	m			
Modeling bifurcation dy	namics in neural networks during access	Esther Poniatowski	16:00	
consciousness: adding	distributed coding and computations in the			
Global Neuronal Works	pace Model.			
Large-scale, MRI-base	d neuroarchitectural mapping of consciousness	Kristian Sandberg	16:15	
Neural correlates vs. m	echanisms of consciousness: a cautionary tale	Umberto Olcese	16:30	
from mouse experimen	ts			
NMDA receptor antago	nist memantine selectively affects recurrent	Samuel Noorman	16:45	
processing and impairs	conscious perception			
Neural correlates of cor	nsciousness in an attentional-blink paradigm with	Torge Dellert	17:00	
uncertain target relevar	nce			
Separate auditory and	motor contributions to sound-evoked activity of	Cyriel Pennartz	17:15	
neurons in primary visual cortex				

15:30-17:30	Concurrent talks 7 – Time and volition		Stock Market (A1.02)
Do Magnetoencephalog	graphy signals reveal a function that limits the	Chris Allen	15:30
pace of perceptual expe	erience?		
Timekeeping in cortex:	primary somatosensory cortex encodes time and	Rikki Rabinovich	15:45
temporal surprise			
From perceptual chang	e to the experience of time via event segmentation	Alberto Mariola	16:00
No evidence for relation	nship between basic visual temporal precision and	Isabel Maranhao	16:15
time estimation abilities			
Voluntary action, sense	of agency and uncertainty	Silvia Seghezzi	16:30
Baseline correction can	lead to spurious results in readiness potential	Lucas Jeay-Bizot	16:45
research			
On the relationship betw	ween cardiac and skin-mediated interoceptive	Laura Crucianelli	17:00
submodalities			
The Cardiac Timing To	olbox (CaTT): Testing for physiologically plausible	Maxine Sherman	17:15
effects of cardiac timing	g on behaviour		

15:30-17:30 Concurrent talks 8 – Body, agency and the self		Gin (C0.02)	
Tracking conscious inte	entions during action formation	Uri Maoz	15:30
C .	a metacognitive framework: The role of visual and outcome on metacognitive representations of	Angeliki Charalampaki	15:45
My Uncertain Body: pro	pprioceptive uncertainty and body ownership	Marie Chancel	16:00
Hierarchical Processing Metacognition	g of the Embodied Sense of Agency and Its	Amit Regev Krugwasser	16:15
Disrupting the sense of	agency via closed-loop TMS-EMG	Alice Wong	16:30
Bodily self-consciousne reinstatement	ess impacts naturalistic episodic memory	Nathalie Meyer	16:45
Depersonalization affect related information	cts self-prioritization of bodily, but not abstract self-	Mateusz Wozniak	17:00
Volitional embodied-self dissolution in meditators is associated with beta Fynn-Mathis Trautwein attenuation in multisensory regions – a neurophenomenological MEG study			17:15



9:00-11:00	Parallel symposium 3 – Evidence accumulati consciousness	on and Fire He (C1.03	
A leaky evidence accumulation process for perceptual experience Michael Pereira		Michael Pereira	
The accumulation of evidence for perception and confidence Tarryn Balso		Tarryn Balsdon	
Conscious correlates of evidence accumulation in perception and action Elisabeth Pa		Elisabeth Pares Pujolras	
Mapping evidence accumulation to decision confidence Kobe I		Kobe Desender	

9:00-11:00	Parallel symposium 4 – Thought-full or thought-less: how empty can the conscious mind get?		Bluetooth (C1.04)
Introduction: Motivation	n of symposium (3 minutes)	Athena Demertzi	
Kinds of empty minds Jennifer Windt			
Exploring the presence and absence of mental objects during Antoine Lutz mindfulness practice			
Sleep-like brain activity predicts when the mind goes blank Thomas Andrillon		Thomas Andrillon	
At the boundaries of mental state reportability: the case of mind blanking Athena Demertzi			
Panel discussion (final 17 minutes)			

11:00 – 11:30	Coffee	Hall A
		Windmill
11:30 – 12:30	Keynote by prof. Irene Tracey	(A0.01)

Can we ever really 'see' pain or consciousness?

Pain is a conscious experience, and the brain is key to the experience of pain and pain relief. In addition to understanding acute and chronic pain as major medical health problems in their own right, we have additionally worked at the interface of pain perception and conscious awareness using advanced neuroimaging and electrophysiological techniques combined with anaesthesia. The interrelationship between pain perception and consciousness is fascinating to understand as it potentially unlocks a better understanding of both domains.

Relating specific neurophysiological mechanisms from the brain, brainstem and spinal cord, identified using neuroimaging, that are relevant in acute and chronic pain experiences has tremendous value. Chronic pain is one of the largest medical health problems in the developed world with one in five adults suffering. Relating these neural mechanisms to individual pain experiences, measures of pain relief, persistence of pain states, degree of injury and genetics as well as determining neural network vulnerabilities towards chronic pain development has neuroscientific and potential diagnostic relevance. Advanced neuroimaging can powerfully aid explanation of a

subject's multidimensional pain experience, analgesia and even what makes them vulnerable or resilient to developing chronic pain.

This framework of understanding provides a foundation to better interpret changes in conscious awareness. Our multimodal neuroimaging work explores how anaesthetic agents produce altered states of consciousness such that perceptual experiences of pain and awareness are degraded. This is bringing us fascinating insights into the complex phenomenon of anaesthesia, perceptual awareness and the concept of self-hood.

Friday July 15th

13:30 -15:30	Poster session 3 Topics: perceptual consciousness; sleep and dreams; altered consciousness; states/levels of consciousness; consciousne		-
Perceptual consciousne	ess		#
A neural field model of syr prediction error.	nergistic interactions across cortical regions during auditory	Louis Roberts	1
EEG Lempel-Ziv diversity	is related to meaningfulness of a stimulus - differences	Pawel	2
between sensory modalitie	es		
Evidence accumulation ex associated confidence	plains the duration of perceptual experience and its	Michael Pereira	3
Forest before trees, or tree recognition in scenes	es before forest? Temporal hierarchy of gist and object	Natalia Rutkowska	4
Generating veridical and in	nformative experiences via prediction	Kirsten Rittershofer	5
Informative cue on stimulu threshold detection	is frequency affects criterion in somatosensory near-	Carina Forster	6
Investigating the appearar	nce of perceptual richness: A systematic review	Sophronia Barone	7
Looking at blindsight: a co patients	mplete perceptual profile characterisation of heminaopic	Diane Derrien	8
Pre-stimulus alpha-band p perceptual awareness	power predicts both objective task accuracy and subjective	Aleksander Zębrowski	9
The forest, the trees, or bo processing during percept	oth? Hierarchy and interactions between gist and object ion of real-world scenes	Marcin Furtak	10
Virtual Veridicalism, Cogn	itive Orientation, and Fregean Representationalism	Yen-Tung Lee	11
Visual imagination and vis healthy adults	ual working memory performance in older and younger	Christopher Atkin	12
We are just friends – the coccipital cortex TMS and v	complicated relationship between occipital cortex excitability, visual perception	Justyna Hobot	13
Choice behavior is optima modalities and decision ty	I at intermediate levels of pupil-linked arousal across various pes	Lola Beerendonk	14
Why do some people seer of mental imagery	m more observant of changes in their environment? The role	Giulia Cabbai	16
Loss-gain asymmetries in	perceptual decisions	Matan Mazor	17
Common and divergent common and brains.	ortical mechanisms of auditory prediction error across	Andrés Canales- Johnson	18
Processing of threatening	bodies under different levels of perceptual awareness	Marta Poyo Solanas	19

One-shot perceptual learning from brief exposure to prior information	Adelina-Mihaela Halchin	20
The Perception Census: An extremely large-scale online study of perceptual diversity	Anil Seth	21
Cardio-audio and auditory regularity encoding during human wakefulness and sleep	Andria Pelentritou	22
Time-varying functional whole-brain connectivity synchronizes between individuals during movie watching	Basak Turker	23
Effect of individual differences in perceptual precision on central tendency effects	Reny Baykova	24
Capturing the experience of (artificial) touch	Ceci Verbaarschot	25

Are phantom people analogous to phantom limbs?	Paul Corballis	26
Examining differential access of fear- and disgust-conditioned stimuli to visual	Piotr Litwin	27
awareness		
Divergent perception: linking creativity with perception of ambiguous visual stimuli	Antoine Bellemare	28
Sleep and dreams		
A relationship between lucid dreaming and metacognitive capacity	Mariana Pereira	29
Auditory adaptation dynamics across the sleep-wake cycle	Anat Arzi	30
Identifying the Neural Correlates of Dreaming with Intracranial Recordings	Csaba Kozma	31
Negative dream experiences predict waking emotional reactivity and emotion	Enyu Lin	32
regulation		
The phenomenological construction of lucid dreaming: a case study	Teresa Campillo Ferrer	33
Learning new vocabulary implicitly during sleep transfers with cross-modal	Matthieu Koroma	34
generalization into wakefulness		
Sleep Misperception in Insomnia is associated with Verbal Memory Erroring	Afik Faerman	35
Neurocognitive (dis)continuities between waking and dreaming states of	Valdas Noreika	36
consciousness		
Altered states of consciousness		
Altered states of consciousness: NLP and qualitative analysis of online reports	Conor Murray	37
Integration and neural propagation: empirical evidence for the usefulness of intrinsic	Glenn van der Lande	38
ignitions		
Measures of information processing reveal common and distinct features between	Naji Alnagger	39
propofol, ketamine and dexmedetomidine-induced sedation		
Mindfulness meditation state and traits modulate the brain gradient connectome in	Sébastien Czajko	40
expert and novice meditators		
Neural and phenomenological dynamics of psychedelic-like states through breathwork	Evan Lewis-Healey	41
induced hypoxia		
Syncope models the near-death-like experience	Charlotte Martial	42
A Specification of the Consciousness State-Space: Let's Split it!	Cyril Costines	43
Can psychedelics alter metaphysical beliefs?	Christopher	44
	Timmermann	
Cross-study comparison of resting-state fMRI altered states of consciousness	Timo Torsten Schmidt	45
datasets: Establishing relationships between connectivity changes and		
phenomenology		
Psychedelics and schizophrenia: Distinct alterations to Bayesian inference	Hardik Rajpal	46

Effects of psilocybin on neurophysiological and phenomenal correlates of interoception	Marieke Weijs	47
Neurochemical profiling of psychedelic states of consciousness	Pablo-Alexandre	48
	Mallaroni	
Quantitative phenomenology of serotonergic and anticholinergic hallucinogens:	George Fejer	49
Evidence for multiple pathways to hallucinatory consciousness		
Neural markers of cognitive control in high arousal	Chiara Avancini	50
The role of subjective experience in psychedelic therapy: Psychedelic-inspired VR-	Karl Kristjan Kaup	5
augmented therapy for treatment of mild-to-moderate depression		
Friday July 15 th		
Subjective and EEG effects of the extended DMT experience	Lisa Luan	52
Consciousness and Blended Reality: The Alice Dali Augmented Reality Experience	Svetlana Rudenko	5
States/levels of consciousness		
Ketamine and sleep modulate neural complexity dynamics in cats	Claudia Pascovich	5
Sleep-related brain functional reorganization varies by task engagement	Samika Kumar	5
Brain complexity increases as conscious level decreases in order to maintain task	Laura Stolp	5
performance		
Characterising the behavioural and neural signatures of switching between internally	Sara Calzolari	5
and externally directed processes.		
Consciousness in the clinic		
Altered awareness in patients with Korsakoff syndrome living in long-term care	Anouk van Loon	5
facilities; a network analyses		
Assessing consciousness in people with advanced Alzheimer's disease in care homes	Jonathan Huntley	5
using Bispectral index monitoring - a feasibility and pilot study		
Conscious perception and the role of the basal ganglia: preliminary findings from a	Evert Boonstra	6
deep brain stimulation study		
Phenomenological experience and clinical benefits of hypnosis and cognitive trance	Nolwenn Marie	6
Functional near-infrared spectroscopy as a tool to assess residual and covert	Karnig Kazazian	6
consciousness in the intensive care unit		
Neural Synchrony and Complexity to Index Consciousness and Coma Patient	Sigurd Alnes	6
Outcome		
Development of an automated pipeline for the analysis of [18F]FDG-PET images in	Arianna	6
disorders of consciousness		
Revisiting the domain of suggestion: A meta-analysis of suggestibility across different	Madeline V. Stein	6
contexts		
Capturing Real World Driving Behaviour and Neural markers of reduced Conscious	Kieran Lee	6
Awareness in Sleep Apnoea Patients		

15:30-17:30 Concurrent talks 9 – Neural correlates of consciousness 2			Fire Hose (C1.03)
			(01.00)
Graded conscious perc	eption during the attentional blink	Anna Eiserbeck	15:30
Investigating the relatio	nship between evidence accumulation and	François Stockart	15:45
perceptual experience	using sEEG		
Sequential sampling models for confidence in perceptual decision-making Sebastian Hellmann			16:00
Implicit inference of 'what's next' in a dynamic world Martijn E. Wokke			16:15
The role of structuralism in NCC research Lukas Kob			16:30
Bidirectionally connected cores of the human functional connectome Tomoya Taguchi			16:45
Hemispheric decoupling	g of awareness-related activity in human auditory	Andrew Dykstra	17:00
cortex under informatio			
Influence of signal strength on conscious and nonconscious neural Insa Schlossmacher			17:15
processing of emotiona			

15:30-17:30 Concurrent talks 10 – Perceptual consciousness 2			Bluetooth
Concurrent taiks 10 – Perceptual consciousness 2		11635 Z	(C1.04)
Useful Misrepresentation	on: Perception as Embodied Proactive Inference	Joshua M Martin	15:30
Position representation	s of moving objects align with real-time position	Philippa Johnson	15:45
in early visual cortex			
Expectations boost the	16:00		
electrophysiological res	sponses to noisy speech		
Gaze stability does not	fully explain perceptual filling-in	Max Levinson	16:15
The capacity of iconic r	nemory: how high is ultra-high?	Karla Matić	16:30
Young children's subje	ctive and objective thresholds and emergent	Ryoichi Watanabe	16:45
process of visual conso	ciousness using a backward masking task		
Phenomenological con	trol in 'top-down' and 'bottom up' effects.	Peter Lush	17:00
A nasal visual field adv	antage in interocular competition	Andre Sahakian	17:15

15:30-17:30	Concurrent talks 11 – (Altered) states of cons	Stock Market (A1.02)		
What is it like to become aware that you are dreaming? Examining Ema Demšar			15:30	
accounts of meta-awareness in lucid dreams				
Nightmare frequency is associated with connectivity between the Mariana Pereira			15:45	
amygdala and prefrontal cortex				
Alert even in full unconsciousness! The Brain Selectively Tunes to Manuel Schabus			16:00	
Unfamiliar Voices during Deep Sleep				
Signs of consciousness in fetal magnetoencephalography Joel Frohlich			16:15	
Beyond informational c	16:30			
with increased redundancy and reduced synergy.				
Auditory processing ac	16:45			
Is microdosing with psychedelics more than a placebo-effect? Michiel van Elk			17:00	
A brain pattern of high integration and low segregation is recurrently Sepher Mortaheb			17:15	
observed after psilocyb	in administration			

15:30-17:30	Concurrent talks 12 – Confidence and metacognition		Gin
10.00 11.00		oginion	(C0.02)
Optimal metacognitive decision strategies in signal detection theory Lucie Charles			15:30
Intrinsic decision biases are under cognitive control Clémence Compain			15:45
Differential effect of prior information on discrimination decisions and Marika Constant			16:00
subjective confidence			
Effects of perceived numerosity on confidence Nora Bradford			16:15
Is there a g factor for s	Katarzyna Hat	16:30	
investigation of metaco	ognition across sensory modalities		
Evidence of tuned inhi	Shaida Abachi	16:45	
metacognition via fMR	I		
The immediate effects	Marta Siedlecka	17:00	
Confidence is detection-like in high dimensional spaces Stephe			17:15

Friday July 15th

17:45 – 18:15	William James Prize	Windmi (A0.01)	
		(A0.01)	

19th edition – winner 2022 - Ishan Singhal

The nineteenth William James Prize for Contributions to the Study of Consciousness was awarded to Ishan Singhal in 2022. Ishan's article "Time and time again: a multi-scale hierarchical framework for time-consciousness and timing of cognition" was published in Neuroscience of Consciousness in 2021 (https://doi.org/10.1093/nc/niab020). The paper proposes a new hierarchical model of time-consciousness that provides a theoretical framework for the phenomenology of temporal experience.

18:15– 18:45	Closing ceremony	Windmill (A0.01)
21:00 – 3:00	Conference party	Brazilian Roots