



THE UNIVERSITY OF ARIZONA

## Center for Consciousness Studies

[www.consciousness.arizona.edu](http://www.consciousness.arizona.edu)

### Taxonomy of Categories -- The Science of Consciousness Conference 2024

#### [Philosophy]

- [01.01].....The concept of consciousness
- [01.02].....Materialism and dualism
- [01.03].....Panpsychism and cosmopsychism
- [01.04].....Ontology of consciousness
- [01.05].....Qualia
- [01.06].....Machine consciousness
- [01.07].....Mental causation and the function of consciousness
- [01.08].....The "hard problem" and the explanatory gap
- [01.09].....Philosophical theories of consciousness
- [01.10].....Epistemology and philosophy of science
- [01.11].....Personal identity and the self
- [01.12].....Free will and agency
- [01.13].....Intentionality and representation
- [01.14].....Philosophy of perception
- [01.15].....Neutral monism and idealism
- [01.16].....Miscellaneous

#### [Neuroscience]

- [02.01].....Neural correlates of consciousness (general)
- [02.02].....Methodologies (fMRI, EEG etc.)
- [02.03].....Neuroscience of vision
- [02.04].....Other sensory modalities
- [02.05].....Motor control
- [02.06].....Memory and learning
- [02.07].....Blindsight
- [02.08].....Neurology, neuropsychology and neuropathology
- [02.09].....Coma and vegetative states
- [02.10].....Anesthesia
- [02.11].....Cellular and sub-neural processes
- [02.12].....Quantum brain biology
- [02.13].....Brain networks, synchrony and scale
- [02.14].....Emotion
- [02.15].....Sleep and waking
- [02.16].....Brain stimulation techniques
- [02.17].....Specific brain areas
- [02.18].....Neurolinguistics
- [02.19].....Psychedelics and psychopharmacology
- [02.20].....Neurobiological theories of consciousness
- [02.21].....Pharmacology and psychopharmacology
- [02.22].....Traveling waves and oscillations
- [02.23].....Miscellaneous

## **[Cognitive Science and Psychology]**

- [03.01].....Attention
- [03.02].....Vision
- [03.03].....Other sensory modalities
- [03.04].....Memory, learning and synaptic plasticity
- [03.05].....Emotion
- [03.06].....Language
- [03.07].....Mental imagery
- [03.08].....Implicit and explicit processes
- [03.09].....Unconscious/conscious processes
- [03.10].....Sleep and dreaming
- [03.11].....Cognitive development
- [03.12].....Artificial intelligence and robotics
- [03.13].....Neural networks and connectionism
- [03.14].....Cognitive architectures
- [03.15].....Ethology
- [03.16].....Self-consciousness and metacognition
- [03.17].....Temporal consciousness
- [03.18].....Intelligence and creativity
- [03.19].....Cognitive theories of consciousness
- [03.20].....Miscellaneous

## **[Physical and Biological Sciences]**

- [04.01].....Quantum physics, collapse and the measurement problem
- [04.02].....Quantum field approaches
- [04.03].....Space, time and the nature of reality
- [04.04].....Cosmology and integrative models
- [04.05].....Emergence, nonlinear dynamics and complexity
- [04.06].....Hierarchies, scale-invariance and 1/f systems
- [04.07].....Logic and computational theory
- [04.08].....Quantum brain biology
- [04.09].....Biophysics and coherence
- [04.10].....Origin and nature of life
- [04.11].....Consciousness and evolution
- [04.12].....Medicine and healing
- [04.13].....Brain stimulation techniques
- [04.14].....Quantum theories of consciousness
- [04.15].....Photons and entanglement in the brain
- [04.16].....Miscellaneous

## **[Experiential Approaches]**

- [05.01].....Phenomenology
- [05.02].....Meditation and mindfulness
- [05.03].....Hypnosis
- [05.04].....Psychedelic and other altered states of consciousness
- [05.05].....Transpersonal and humanistic psychology
- [05.06].....Psychoanalysis and psychotherapy
- [05.07].....Lucid dreaming
- [05.08].....Near-death and anomalous experiences
- [05.09].....Parapsychology
- [05.10].....Contemplation and mysticism
- [05.11].....Virtual reality

[05.12].....Miscellaneous

## **[Culture and Humanities]**

[06.01].....Literature and hermeneutics

[06.02].....Aesthetics

[06.03].....Music

[06.04].....Religion and spirituality

[06.05].....Mythology

[06.06].....Sociology

[06.07].....Anthropology

[06.08].....Information technology

[06.09].....Ethics and legal studies

[06.10].....Education

[06.11].....Entertainment

[06.12].....Visual Art Forms

[06.13].....Poetry

[06.14].....Dance

[06.15].....Miscellaneous