

Taxonomy of Categories -– The Science of Consciousness Conference

**2025 updated 09/03/24 -** [www.consciousness.arizona.edu](http://www.consciousness.arizona.edu/)

# **[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]…Eliminative Materialism/Illusionism

[01.17]…Epiphenomenalism

[01.18]…Functionalism

[01.19]…Emergence

[01.20]…Biological Reductionism

[01.21]…Higher Order Theories

[01.22]…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]...Neural networks

[02.24]...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]…Embodied Cognition

[03.21]…Enactivism

[03.22]…Neurophenomenology

[03.23]…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]…Quantum Mind

 [04.17]…Planet Formation

 [04.18]…Planet Habitability

 [04.19]…Heliophysics

 [04.20]…Astrophysics

 [04.21]…Artificial intelligence and robotics

 [04.22]…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]...AI /robotics

[06.10]...Ethics and legal studies

[06.11]...Education

[06.12]...Entertainment

[06.13]...Visual Art Forms

[06.14]...Poetry

[06.15]...Dance

[06.16]...Miscellaneous

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