



# CALL FOR PAPERS

**ICCN 2020**  
**Dec 17-18, 2020**  
**Dubai, UAE**

The International Research Conference is a federated organization dedicated to bringing together a significant number of diverse scholarly events for presentation within the conference program. Events will run over a span of time during the conference depending on the number and length of the presentations.

ICCN 2020 : International Conference on Cognitive Neuroscience is the premier interdisciplinary forum for the presentation of new advances and research results in the fields of Cognitive Neuroscience. The conference will bring together leading academic scientists, researchers and scholars in the domain of interest from around the world. Topics of interest for submission include, but are not limited to:

Neural mechanisms of feature integration in object perception  
Predictive coding in perception and cognition  
The role of neuronal oscillations in computation and communication in multi-scale brain networks  
Attention, awareness and control  
Auditory processing  
Expectation and attention in visual cognition: neural and computational approaches  
From single neuron responses to neuronal population oscillations during vision and memory: new insights from human intracranial recordings  
Preludes to failure: electrophysiological and hemodynamic antecedents of human error  
Monitoring our memories: Neural mechanisms and age-related changes  
Entraining the brain? Effects of rhythmic brain stimulation protocols on oscillatory brain activity and behavior  
Complex networks, dynamics and neural information processing in the brain  
Human genetics of cognition  
Functional significance of human prefrontal theta oscillations during cognitive control and learning

Probing Cortical Oscillations with Transcranial Stimulation  
Serotonin, motivation and action in learning and decision-making  
Maturation of brain structure and language development  
Current trends in working memory research: Evidence from functional neuroimaging  
The cognitive role of cross-frequency coupling  
The relationship between attention and working memory  
EEG/fMRI integration and the connectivity in the brain  
How alpha oscillations shape the functional network of the working brain  
Successful aging: a neurocognitive perspective  
Regulating access to consciousness: Cortical mechanisms of attention  
Adaptive, goal-directed behavior: prefrontal cortex and beyond  
Cognitive Aging  
Consciousness and Awareness

