

Key Words for Grossberg IJCNN 2017 Plenary Lecture

consciousness; hard problem of consciousness; adaptive resonance; seeing; hearing; feeling; knowing; neural networks; attention; complementary computing; hierarchical resolution of uncertainty; biological learning; machine learning; autonomous intelligence; vision; image processing; figure-ground perception; visual boundary; visual surface; spatial attention; parietal visual neglect; visual agnosia; crowding; cognition; pattern recognition; object attention; expectation; biased competition; prediction; invariant object recognition; attentional shroud; predictive remapping; gain field; visual search; working memory; chunking; prediction; motor control; circular reaction; motor-equivalent reaching; tool use; robotics; audition; auditory streaming; cocktail party problem; auditory continuity illusion; auditory neglect; speech perception; speech production; phonemic restoration; language learning; emotion; cognitive-emotional interactions; classical conditioning; trace conditioning; reinforcement learning; memory consolidation; adaptive timing; spectral timing; motivated attention; Weber law; amnesia; visual cortex; V1, V2, V3A, V4, inferotemporal cortex; ITa, ITp, LIP, parietal cortex; orbitofrontal cortex; superior colliculus; auditory cortex; amygdala; hippocampus; hypothalamus; surface-shroud resonance; feature-category resonance; stream-shroud resonance; spectral-pitch-and-timbre resonance; item-list resonance; cognitive-emotional resonance; What cortical stream; Where cortical stream; ART, VAM, DIRECT, DIVA, ARTSTREAM, cARTWORD, CogEM, START, nSTART