

Quantum Information Entanglement of Consciousness and Space-Time

Francisco Di Biase

Department of Neurosurgery-Neurology, and of Electroencephalography
and Brain Mapping, Clínica Di Biase, Rio de Janeiro, Brazil
Post-Graduation Professor, UGB-Universidade Geraldo Di Biase, Volta Redonda, Rio, Brazil
Full Professor, Grand PhD, World Information Distributed University, Belgium
Honorary Professor, Albert Schweitzer International University, Switzerland

dibiase@terra.com.br

Abstract. Bekenstein and Hawking show black holes have temperature and entropy. Susskind studies (2008) discovered a relationship between entropy, and area as a consequence of entanglement. Atlan and Di Biase have been proposing to see entropy as the information and complexity content of a system, and Susskind developed a mathematic to calculate the information content of an object. He could quantize space-time and develop a quantum theory of gravity that is holographic. Jacobson shows that entropy multiplied by temperature is the energy of a system and a simple energy - entropy relationship can relate mass energy space-time and quantum information theory. Maldacena could demonstrate that wormholes would only form if blackholes were quantum-entangled in the outside a revolutionary conclusion that suggests entanglement is what binds space-time together! Di Biase have been conjecturing that consciousness is non-local quantum information with a status equal to energy, matter, energy and space-time, and Wheeler described an elegant information-participatory universe putting together quantum information theory consciousness and physics with '*the it from bit*' concept. For Bohm the superimplicate order allows us to understanding consciousness, energy and matter as expression varieties of a same informational order. Pribram's neural network equation is similar to Schrödinger's wave equation and permits as I show an elegant and beautiful holoinformational brain-mind entanglement with the quantum-holographic universe that I see as an extended holoinformational universal consciousness interconnectedness.

Keywords: Quantum information, holoinformation, blackholes, brain-cosmos entanglement, consciousness