Special Issue

Quantum Models of Cognition and Decision-Making II

Message from the Guest Editors

- Quantum physical processes in the brain and cognition;
- Physics and consciousness;
- Mapping brain areas involved in quantum information processing;
- Applications to medicine;
- Quantum-like models of cognition and decision making;
- Applications to psychology, economics, finance, social, and political science;
- Quantum information viewpoint to cognition;
- Quantum foundations and cognition;
- Generalized probabilistic models for decision making;
- Quantum contextuality and generalized contextual models in psychology, economics, and social science;
- Bell's inequality, entanglement with applications to decision making;
- The role of the complementarity principle in quantum-like modeling;
- Quantum dynamics with applications to decision making, social and political science, ecology, evolution theory;
- Quantum field theory with applications to modeling of the process of decision making;
- Social laser model (social and political science, color revolutions, elections);
- Applications to biology and ecology;
- Order effects in decision making.

Of course, possible topics need not be restricted to the list above.

Guest Editors

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The concept of entropy is traditionally a quantity in physics that has to do with temperature. However, it is now clear that entropy is deeply related to information theory and the process of inference. As such, entropic techniques have found broad application in the sciences.

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Editor-in-Chief

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