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Perceptual Organization from Phenomenology to Neuroscience and Artificial Intelligence: Principles, Phenomena, Illusions, and Issues

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Message from the Guest Editors

The main purpose of this Special Issue is to put together scientists, scholars, and artists from different disciplines for a multidisciplinary interaction aiming to deeply understand inner problems, principles, phenomena, and illusions related and derived from perceptual organization. The main questions are: what do we really know about perceptual organization? What is perceptual organization within different perspectives? What are the main issues still unexplained? What is the meaning of inner principles? Which are the mistakes, illusions, and paradoxes derived from perceptual organization? What is vividness within the organization of our world? Is there one or many kinds of organizations for different living organisms? Does perceptual organization involve only external objects or even the perceiving subject? How does perceptual organization work in artificial systems such as neural networks? What do we learn from perceptual organization in neural networks? How is consciousness related to perceptual organization?



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