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Computational Cybernetics

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Deadline for manuscript submissions:
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Message from the Guest Editors

Computational cybernetics (CC) is the synergetic integration of cybernetics and computational intelligence. It covers the areas of system of systems, biological and physiological systems, signal processing, information technology, and the theory of complex systems and computer sciences, where the application of advanced solutions of artificial intelligence, control theory, concepts and demands of Industry 4.0 and intelligent robotics is becoming a must these days. The purpose of this SI is to provide a wide range introduction of the latest developments on the field of CC through specific applications of the advanced methodologies in practice. The papers considered for possible publication may focus on but not necessarily be limited to the following areas:

- Machine learning techniques in robotics, IoT, and manufacturing industries;
- Advanced control and estimator solutions for industrial, physiological systems;
- Application of the fuzzy theorem on the field of computational cybernetics;
- Machine learning, deep learning, and reinforcement learning in computational cybernetics;
- Novel applications and case studies related to computational cybernetics.

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Message from the Editor-in-Chief

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