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IEEE Computational Intelligence Society (IEEE CIS) is the main professional society of the Institute of Electrical and Electronics Engineers (IEEE) devoted to research theory, design, application, and development of biologically and linguistically motivated computational paradigms emphasizing neural networks, connectionist systems, genetic algorithms, evolutionary programming, fuzzy systems, machine learning, artificial intelligence, deep learning, big data, data analytics, and hybrid intelligent systems in which these paradigms are contained. The society is accountable for most important conferences and journals in its scope, bringing together researchers from around the world to work together in the advancement of the computational intelligence area.

Bi-annually IEEE CIS organizes the IEEE World Congress on Computational Intelligence (WCCI), putting together the three flagship conferences organized by the society: the International Joint Conference on Neural Networks (IJCNN) covering a wide range of topics in the field of neural networks, from biological neural networks to artificial neural computation; the IEEE Congress on Evolutionary Computation (IEEE CEC) covering all topics in evolutionary computation from theory to real-world applications; and the IEEE International Conference on Fuzzy Systems (FUZZ-IEEE) covering all topics in fuzzy systems from theory to real-world applications.

Following the example of past 9 WCCI editions like WCCI'2012 in Brisbane, WCCI'2014 in Beijing, and WCCI'2016 in Vancouver, IJCNN2019 in Rio de Janeiro will bring researchers and practitioners from all over the world to share their knowledge and current results of their studies to the scientific community. In the last edition, WCCI received 3015 paper submissions with 1781 papers accepted and more than 1800 participant registrations from over 70 countries. Besides the paper presentations, WCCI'2016 had 24 tutorials covering a diverse range of topics in computational intelligence area, 5 keynotes and 15 plenary speakers from invited top researchers, among other activities.

IJCNN2019 in Rio de Janeiro is an opportunity for companies to sponsor and/or exhibit their products, services and brand to a large audience of specialists in computational intelligence area.