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## **Editorial**

Natural Inspired Computation focuses on studying and understanding the underlying principles of natural computation, and how these principles can be adopted or modified to extend and enrich computer science and engineering. Algorithms, techniques and methods based on these principles have been successfully applied to a wide range of complex problems. From the perspective of science development, Natural Inspired Computation is an emerging interdisciplinary area between Natural Sciences (especially Life Sciences) and Computer Science. Its rapid growth is a natural product of the rapid development of interdisciplinary research today.

Natural Inspired Computation, including evolutionary computation, neural computation, ecological computation, quantum computation, complex self-adaptive system and other fields inspired by natural systems, has unique characteristics of self-adaptive, self-organizing and self-learning. Because of its ability to solve complex problems that are difficult for traditional computational methods, Natural Inspired Computation is widely used in many fields, such as machine learning, optimal design, optimal control, network security and creative design.

A special issue on “Natural Inspired Computation” is organized in “International Journal of Computer Science and Applications”. We have selected 10 papers from the 116 submissions for this Special Issue, and all the submitted manuscripts have undergone a normal peer-review process. The objective of this special issue is to offer a collection of high-quality contributions that reflect and advance the state-of-the art in the application of “Natural Inspired Computation” to solve real-world problems.

### **Special Issue Guest Editor:**

**Hai-Bin DUAN**

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