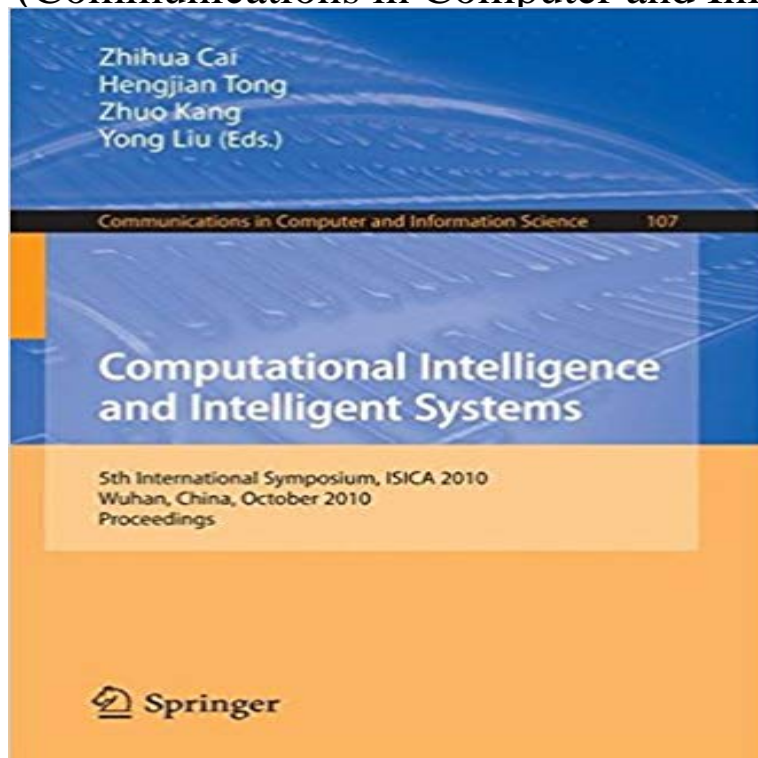


Computational Intelligence and Intelligent Systems: 5th International Symposium, ISICA 2010, Wuhan, China, October 2010, Proceedings (Communications in Computer and Information Science)



CCIS 107 is the second volume of the proceedings of the Fifth International Symposium on Intelligence Computation and Applications (ISICA 2010) held in Wuhan, China, October 22-24, 2010. Thirty-one papers among 267 submissions were selected and included in CCIS 107. This volume features the most up-to-date research in evolutionary design, evolutionary optimization, hybrid evolutionary algorithms, intelligent systems, particle swarm optimization, and predictive modeling. CCIS 107 is dedicated to the memory of Lishan Kang. ISICA conferences were one of the first series of international conferences on computational intelligence that combined elements of learning, adaptation, evolution and fuzzy logic to create programs as alternative solutions to artificial intelligence. The idea for ISICA came about after Lishan Kang organized an international symposium on evolutionary computation at Wuhan University in 2000. After he was invited to be the Director of the School of Computer Science, China University of Geosciences, he wondered whether he could establish such discussion forums on computational intelligence at China University of Geosciences. With support from his university, the School of Computer Science organized the first ISICA in 2005, in which some of the leading figures from the scientific computing world were invited, including H.-P. Schwefel, Germany, M. Schoenauer, France, D. J. Evans, UK, T. Higuchi, Japan, Z. Michalewicz, Australia, and X. Yao, UK. The Second ISICA was jointly held in 2007 with the 7th International Conference on Evolvable Systems: From Biology to Hardware (ICES 2007).

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