



Bo Zhang

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Title: Content-based Information Processing-A New Challenge

Biography

Bo Zhang is now a professor of Computer Science and Technology Department of Tsinghua University, the fellow of Chinese Academy of Sciences. In 1958 he graduated from Automatic Control Department of Tsinghua University, and became a faculty member since then. From 1980/02 to 1982/02 he visited University of Illinois at Urbana-Champaign, USA as a scholar. He is now the chairman of steering committee of Research Institute of Information Technology, Tsinghua University, the technical advisor of Fujian government, and the member of Technical Advisory Board of Microsoft Research Asia.

He is engaged in the research on artificial intelligence, artificial neural networks, genetic algorithms, intelligent robotics, pattern recognition and intelligent control. In these fields, he has published over 150 papers and 4 monographs, where 2 are English versions.

In the past 20 years, he presented the quotient space theory of problem solving, including the transformation, composition and reasoning methods among multi-granular spaces. Now the theory has become one of the main branches in granular computing. The theory has been applied to planning, search, machine learning, and information processing. Recently, he founded the center for neural and cognitive computation and the research group for multimedia information processing. The group has got some important results in image and video analysis and retrieval.