

The Thought of the Development of Intelligent Control Technology

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Abstract

With the rapid development of artificial intelligence technology, there are significant breakthroughs in theory and technology, which have been widely used in many fields. The related theories and technical achievements of artificial intelligence are likely to be integrated to the maximum extent in the field of guidance, navigation and control, that is, intelligent control will be the comprehensive embodiment of artificial technology. This talk will start from the development of control science and technology, and analyze that intelligent control will be the starting point for the integration of artificial intelligence and industry. Furthermore, the talk also gives the development requirements of intelligent control, the way of control technology Intellectualization, the development stages of intelligent control and the characteristics of each stage. From the perspective of the future, the key direction of promoting the development of intelligent control technology and the further research of the intelligent controller are mentioned.

About the speaker...



Weimin BAO was born in 1960. He received the Ph.D. degree in Control theory and control engineering from Beihang University, Beijing. Currently, he is the director of Science and Technology Commission of China Aerospace Science and Technology Corporation. His research interests include Artificial Intelligence, Automatic Control and Flight vehicle design. Dr. Bao is academician of Chinese Academy of science, as well as a member of the CPPCC, and Fellow of IAA. He has received quite a few research awards including the first prize of State Technological Invention Award and the special prize of National Science and Technology Progress Awards.