

The 36th Chinese Control Conference

Plenary Panel Session Speaker



Weihua Gui member of Chinese Academy of Engineering, is a professor of Central South University. Professor Gui has long been engaged in the research and teaching on modelling, control, and optimization for nonferrous metallurgical process. Professor Gui constructed the intelligent integrated modeling architecture and the optimal control technique framework. He proposed the theory of modeling, prediction, and optimization for nonferrous metallurgical process by using intelligent integration as the core. He designed series of optimal control systems for nonferrous metal smelting processes, which achieved remarkable social and economic benefits in industrial applications.

Professor Gui has awarded second-class prize for National Science and Technology Progress Award for three times and received provincial and ministerial technology awards for 13 times; He was awarded an honor of “Ho Leung Ho Lee Foundation for Science and Technology Progress Award”, “Hunan Guangzhao Science and Technology Award”, “National Outstanding Scientific and Technical Workers”, “National Outstanding Teachers”, “China Nonferrous Metals Industry Outstanding Science and Technology Workers” and “Chinese Process Control Technology Contribution Award”; He wrote 5 publication monographs, published more than 100 papers which are indexed by SCI and 30 national granted invention patents. He makes an important contribution to the rapid development of China's process industry, especially the improvement of automation technology and independent innovation.

In recent years, facing with the major development strategy of intelligent manufacturing proposed by our country, we have organized many frontier forums and seminars about knowledge automation in process industry, which leading and promoting the research in this field under the guidance of the National Natural Science Foundation.