

FOREWORD

Instrumentation and control technologies are basic technologies that hold important keys to the development and stable manufacture of high value-added products and the

devices and signal processing technologies, we have developed unique measurement principles and realized sophisticated measurements and quality inspections that had been difficult in the past. Examples of the application of various types of surface inspection technologies, nondestructive inspection technologies and image recognition technologies are reported. In the field of equipment diagnosis, in addition to the deployment of the above-mentioned technologies, remote control and wireless technologies have also progressed. Remote control/monitoring systems in plants, diagnosis technologies for electrical equipment, and other new technologies are introduced.

The JFE Group has adopted “Contributing to society with the world’s most innovative technology” as its corporate vision, and not only strives to supply safe, high quality products and services, but also to collaborate and cooperate with society and to coexist in harmony with the global environment. Making full use of our total capabilities, we will also actively promote the development of instrumentation and control technologies in the future, and we will respond continuously to the increasingly high order needs of our customers and society. In publishing this special issue, we will hope to receive guidance and opinions from all quarters.