## Introduction

The rapid developments and wide applications of electronic information science and technology exert great positive influence in the human spiritual and material civilizations worldwide. Meanwhile, the higher education plays a key role in preparing young students entering the R&D areas of electronic information. The Ministry of Education of China has put great efforts on to the reform of the higher education in electronic information with setting up six electronic information higher education institutions in different areas, one of which is that for the Middle-south area. The R&D of the electronic information and the higher education of the electronic information support each other and develop simultaneously.

The proceedings of the 20th academic annual meeting of the Higher Education Institutions Electronic and Electrical Basic-Course-Teaching Association of the Ministry of Education of the People's Republic of China in Middle-south Area of China were the combination of research results and educational reform experiences in electronic information science and technology. It collects more than 200 contributions selected from several hundreds papers submitted to the meeting after peer-reviews. These contributions are grouped in three parts:

Part I Keynote speeches, by the well-known academicians and educators, that sets the tone for the meeting with reports on the most recent developments in research and education; Part II scientific research papers; and Part III teaching study papers.

The two-volume proceedings will be excellent references to the educators and researchers in Electronic Information.

Higher Education Institutions Electronic and Electrical Basic-Course-Teaching Association of the Ministry of Education of the People's Republic of China in Middle-South Area of China Director-general Gan Liang Cai September 22, 2010 in Wuhan University

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