

Cooperative Design, Visualization, and Engineering

4th International Conference, CDVE 2007, Shanghai, China, September 16-20, 2007

This year the CDVE conference celebrated its fourth annual event in an exciting city—Shanghai, China. The cooperative design, visualization and engineering community sensed the economic pulse of a new giant economy where cooperation is vital for its success. This year we received a large number of papers from all over the world. In addition to many submissions from Europe, we received more papers from Asia and China this time. Many authors from key Chinese research centers and national projects presented their papers, which gave us insight into the progress of research and development in this giant economy. From a technical point of view, as a major trend in cooperative design, visualization, engineering and other applications, advanced Web-based cooperation technology stands out by itself. Many papers reflect the research in this aspect with very convincing results. Web-based cooperative working applications have been emerging strongly since the wide availability and accessibility of the WWW. It is a form of sharing and collaborating by its nature. It is suitable for the cooperation of a much wider range of users. In the field of cooperative engineering, new findings and new results were presented. Among all, work flow technology was recognized as a key element for successful cooperative engineering. According to these new findings, only Web-based cooperation tools and shared databases are not enough for cooperative engineering. Work flow-based methodology should be introduced to guarantee the integration and coordination of the whole life cycle process of products.

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