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- First International Conference on Real Time Intelligent Systems (RTIS 2016)
- The Seventh International Conference on the Applications of Digital Information and Web Technologies (ICADIWT 2016)
- Fifth International Conference on the Future Generation Communication Technologies (FGCT 2016)
- Sixth International Conference on Innovating Computing Technology (INTECH 2016)

## Editorial

We are pleased to release the first issue of this volume of the **Transactions on Machine Design** with good amount of innovative research. We describe below the research reported in this issue. Accidents are caused by several factors such as Human, machine, environment and management. The author *QI Li-xia* in the paper on “**A Logical Model and Simulation of Production System Accident-causing Mechanism**” was interested in identifying the relationship between these factors. The author in the paper has resorted to the development of a logic calculation model for the accident-causing mechanism, and the status simulation method is used to calculate the model. The simulation results shown that, the model for mechanism is explained more clearly on the accident according to the model.

In the next paper on “**A Coarse-to-Fine Registration Method Based on Geometric Constraints of Block and Parallel Architecture**”, the authors *Zetao Jiang* and *Chuan Guo* proposed a fine registration method based on geometric constraints of block and parallel architecture is put forward. They conducted experiments and the results shown that this method eliminated the mismatch generated by same local features, registration accuracy and speed has improved, the proposed approach has practical value.

*Zhang Junqiang*, *Wu Chonglong*, *Liu Junqi* and *Liu Fei* in the last paper on “**The Research of Three-dimensional Integrated Framework of Landslide Disaster Monitoring Data**” have presented a three-dimensional visualized integrated framework of landslide monitoring data. The framework is applied in a real time landslide monitoring project in China. The authors collected data in the experiments and did a comparison of the results with the common method. The results produced a more efficient fusion of landslide monitoring data with the feature of multi-source, multi-class, large quantity and multi-themes.

We will come with more research in the further issues.

## Editors