



Invited Plenary Speech

Disruptive Innovation: New Processes and Methods

Speaker Name,

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Speaker Biography:

Professor in the school of mechanical engineering (1996-) , Director in the National Engineering Research Center for Technological Innovation Method and Tool (2013-), Hebei University of Technology. He graduated in the Department of Mechanical Engineering, Zhejiang University, with the Ph.D. in 1998. He is an editorial board member of Chinese Journal of Mechanical Engineering, Computer Integrated Manufacturing System, Chinese Journal of Engineering Design, Journal of Machine Design. He is the chair of Chinese Society of TRIZ (2005-), chair of Chinese Specific Society for Technological Innovation Method. Published many papers and ten books and most of them are related to TRIZ development and application in industries. Won the Altshuller Medal, 2016, Altshuller Institute, USA.

Abstract/Outline

Disruptive Innovation has been put forward for many years in the world. But the processes to implement the goal of the disruptive innovation are always in being studied especially in the field of engineering. The first step for new product development is the design. There are many models for design processes used in industries in China. The most of them are influenced by Pahl & Beitz' design methodology. It is clearly an important research topic that to make an integration among research results of disruptive innovation, TRIZ and Pahl & Beitz's methodology to form a few new processes and methods to implement the goal of disruptive innovation. The presentation shows some research results related to the research topic in this center. In the past years we have made the integration and to form new processes and methods. The classical TRIZ has been applied to solve inventive problems in the process of integration. Our new processes and methods have been applied to train many innovative engineers for the companies in different regions in China.