Editorial

Innovative Design of Mechanisms

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This special issue is aimed to provide a forum for publication of original research and developments in innovative design of mechanisms. Innovative design plays a very important role in mechanical engineering. The novel mechanism concepts and new synthesis methods have been extensively explored in the past decades, considerably contributing to improvement of mechanical products, such as the advanced vehicles, new spatial manipulators and industrial robots. One of the primary trends of today and tomorrow’s mechanical engineering is the development of advanced products with new-configuration and singularity-free workspace, which consequently poses significant challenges on mechanism synthesis. Therefore, this special issue for the innovative design of mechanisms, which may either improve the system dynamic performance or provide large workspace. The selected five papers in this journal special issue focus on novel mechanism concepts design, workspace computation, the engineering applications of on-road vehicles, deployable mechanism theory and application.

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