Editorial

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Biographical notes: Bin Wei is a PhD student in Mechanical Engineering in the Faculty of Engineering and Applied Science of the University of Ontario Institute of Technology, Canada. His research interests include robotics and mechatronics, dynamic balancing of robotic mechanisms, adaptive control design, synthesis design of parallel mechanisms, and high-performance parallel robotic machine tool development.

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Vibrations in mechanisms and parallel robots have blocked many industries for their fine productions, and how to reduce vibrations and further improve accuracy for the mechanisms when they are in operations has become an urgent issue. Dynamic balancing can be the most effective and promising solution for the vibration reduction and accuracy improvement. Dynamic balancing of mechanisms and parallel robots has been investigated for several decades, but due to its complexity, not many researchers are focusing on this field. This special issue aims to bring all researchers together to present the recent and latest advances and technologies in the field of dynamic balancing of mechanisms and parallel robots to further summarise and improve the methodologies on dynamic balancing of parallel mechanisms in order to improve the accuracy performance.