

## Editorial

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This Special Issue of the Journal of Multi-Body Dynamics titled “Multibody for Mechanisms” contains the extended and edited version of the some selected papers presented at the 5th European Conference on Mechanism Science (EUCOMES2014) that was held, from 16th to 20th September 2014, at the Mechanical Engineering Department of the University of Minho, Guimarães, Portugal.

This Special Issue includes a total of six papers that were preselected from the sessions with strong presence of the multibody approach, and reviewed for the Journal of Multi-Body Dynamics. This set of paper can serve as a sample to offer a panoramic view of the current state of this valuable contribution of multi-body system dynamics for the particular area of mechanisms. The works published within this Special Issue comprises several topics, such as a multi-body approach for studying the lateral deviation of a projectile, an investigation on cable force on winch winding accuracy, a research on mechanical energy storage, a railway vehicle approach based on multi-body methodologies, a new energy-consistent

integration scheme for flexible multibody models and, finally, a study on torsional vibration system of converters based on rigid-flexible coupling. In fact, this Special Issue serves as a sample to offer a panoramic view of the current state-of-the art and the link between multibody dynamics and mechanism and machine science.

The guest editor appreciates the strong leadership of the Editor of the Journal of Multi-Body Dynamics, Prof. Homer Rahnejat. The Guest Editor deeply appreciates the effort of the publication of the authors in writing the papers in time, allowing this Special Issue to be published as planned. Finally the guest editor acknowledges the outstanding work of all reviewers, which allowed this Special Issue to be published.

Guest Editor  
Paulo Flores

*University of Minho, Mechanical Engineering  
Department, Campus de Azurém, 4804-533 Guimarães  
– Portugal.*

*Email: [pflores@dem.uminho.pt](mailto:pflores@dem.uminho.pt)*