

## PREFACE

The Special Issue of the Journal of Applied Mathematics and Computational Mechanics features original research papers presented at the International Polish-Slovak Scientific Conference on Machine Modelling and Simulations.

The main motivation is to share the latest achievements in the developments and modelling of manufacturing technologies and machine design discussed by an international group of researchers working in interdisciplinary fields of applied mechanics, mechanical engineering and machine design.

The issues of modelling and simulation are considered in this Special Issue in the context of guaranteeing quality products as well as harmonious economic and technological development. Machine modelling and simulations use models as a basis for simulations to develop data utilised for technical decision making across a broad range of mechanical engineering applications for scientific and industrial purposes. Every manuscript provides description of a modelled process/phenomenon/object in advanced industrial, automotive and green energy applications.

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