



## Life Assessment and Dynamic Behavior of Components

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### Message from the Guest Editors

Among the big challenges of research, the sustainability of technologies is more and more important. The aim to increase the compatibility of the human activities with the environment, increase of efficiency, reduction of weight and substitution of pollutant materials with “greener” ones forces engineers to great efforts in designing new components. In particular, the reduction of weight, the increase of power density, the increase of operative velocity and the adoption of different materials tend to prone components to vibrate and to reduce their life. This special issue wants to highlight all the advances in the dynamic analysis of machine components and in particular in rotating elements, such as gearboxes, powertrains, machinery systems. Contributions in methodologies for analyzing dynamics of complex systems and for estimating the life cycle of components taking into account the growing performances and new materials are welcome.





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## Message from the Editor-in-Chief

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