Abstracts

Meshing and numerical simulation for vehicle development at PSA Peugeot Citroen

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ABSTRACT

This presentation is an opportunity to demonstrate that the ongoing collaboration and close working relationship between BETA CAE Systems S.A. and PSA Peugeot Citroën Group which has started many years ago has created a platform and opportunities to improve both numerical simulations as well as meshing.

Topological meshing is a crucial component in the development process of our numerical prototypes and is an integral part of our platform strategy.

Our approach can be applied to the following: crash analysis, electro-magnetic analysis, internal and external aerodynamic and body engineering.

Please note that automotive programs are facing new challenges in term of time, cost and quality. It would be therefore essential for us to possess numerical tools with even more advanced and sophisticated functionalities as well as an enhanced interface and "integration" with our design softwares, to allow fast updates of numerical models.