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[Home](#) > Innovative technologies for volume meshing in STAR-CCM+

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## Innovative technologies for volume meshing in STAR-CCM+



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Simulation and computational models are rapidly becoming essential predictive tools for a large number of industry segments. The overwhelming majority of 3D CAE models requires the usage of a computational grid whose characteristics strongly affect the quality of the predictions and finally the market competitiveness of the products.

CD-adapco spends a significant part of its resources in innovating the volume meshing offered in STAR-CCM+. A brief overview of the ongoing research projects in this area will be presented with focus on parallel and hexahedral meshing as paradigms for generation speed and mesh quality respectively.

**Author Company:**

CD-adapco

**Author Name:**

Stefano Paoletti

**Industries:**

[Building Services](#)<sup>[2]</sup>

**Products:**

**Conference:**

[STAR Global Conference 2012](#)<sup>[3]</sup>

CD-adapco is the world's largest independent CFD focused provider of engineering simulation software, support and services. We have over 30 years of experience in delivering industrial strength engineering simulation.

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