

Presentation

Our aim is to develop and disseminate methods to help SME's (and students) to improve their use of CAD/Simulation process. The competitiveness of a good number of SME's is linked to this use. So the CAD/Simulation loop must be as efficient as possible (80% of the cost are determined in the very first stages of the design process and simulation/optimization can help to reduce drastically these costs).

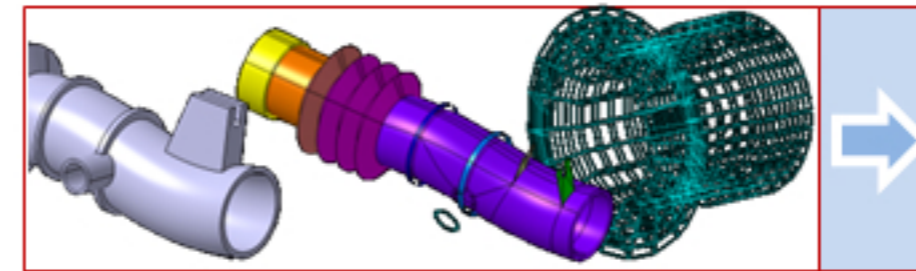
In order to facilitate the links between CAD and simulation, it is important to define rules to ensure the coherence of the product. During optimization process, many iterations are done. So it is for example very useful to determine as soon as possible the most important parameters, to implement for instance an adapted CAD model (CSG). The method must define if these parameters can be modified and if yes, which values are acceptable. A collaborative work including design and simulation must be implemented.

Inside the general objectives of the numerical chain, we are interested in the heart (design-Simulation, as example a prime/sub contractor relationship).

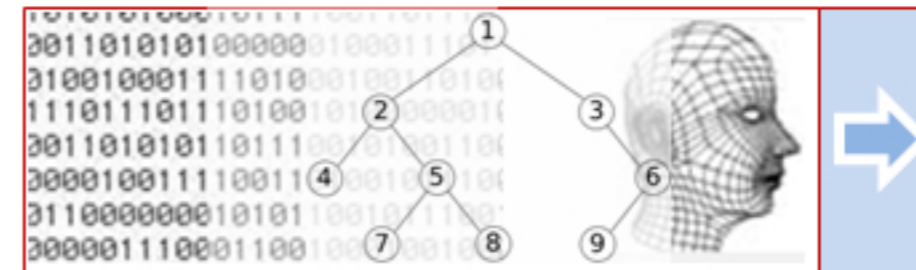
The goal is to provide SME's with an easy to use e-learning solution, best practices, methodologies and practical examples to improve significantly their use of CAD and simulation tools.

We associate abilities in France (best practices, linking CAD and simulation) and in Turkey (e-learning portal ...).

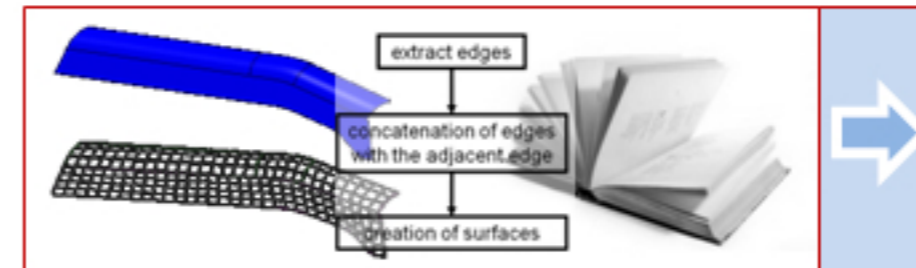
The gain for traditional SME's can be very important as well by optimization (best prices in less time) as by winning new markets.



CAD and CAE methodologies



e-Learning solutions



Best practices guides

For any further information, please contact project leader MICADO/DINCCS : contact@dinccs.com

Partners : Kaledata for e-Learning and Samtech for CAE engineering help

Financial help : the Champagne-Ardenne Region, the Ardennes Department and Oséo

