



asc(s Cluster Workshop Vehicle Physics "Physics-Based Product Optimization"

Business Park Leinfelden-Echterdingen
Mai 12, 2015 | 9:00 | Auditorium

Project Appetizers can cover one or more of the following topics:

- stationary / non-stationary flows
- laminar / turbulent flows
- incompressible / compressible flows
- flows with heat transfer / transport
- flows with chemical reactions
- multiphase Flows
- fluid-structure interaction
- multiphysics
- ... or related topics

Project Appetizers will be accepted until April 30, 2015.



Titel / Acronym:

Company / Institution:



1.1. Motivation / Challenge:

Text

Contact Person:

John Doe

Potential partners* :

company A, institution B

Funding project*: yes / no

Industrial project*: yes / no

Project duration (month)*: xx

Estimated budget (T€)*: xxx

*optional information

1.2. Project Goal:

Text

1.3. Expected results:

Text

1.4 rough time schedule





PROJECT APPETIZER

CAE degree of innovation	
➤ Use of HPC	
➤ IT	
➤ Numerics / Mathematics	
➤ Modelling	
➤ Process + Data	
➤ Visualization	
CAE direction of impact	
➤ Closing methodological gaps	
➤ Improving performance	
➤ Increase forecasting accuracy	
➤ New application	
➤ Coupling application areas	
Requirements	
➤ Legal requirements	
➤ Customer requirements	
➤ Internal regulations	
➤ Cost-saving	
➤ Faster product development	

Environmental relevance	
➤ Reduction of emissions	
➤ Reduction of noise	
➤ Resource-saving	
CAE classification	
➤ CAE simulation	
➤ Optimization	
➤ Numerics and robustness	
➤ Multi physics	
➤ Other	

Please tick as appropriate.

Please send your Project Appetizer to alexander.walser@asc-s.de by April 30, 2015 at the latest.

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