

11
APRIL
2016

1st Cluster Workshop Numerics & Digitalization

From Cloud to Road

Cloud-based CAE technologies

PRELIMINARY AGENDA

13:00 WARM-UP

Arrival of the guests and welcoming them over a cup of coffee

13:30 INTRODUCTION ROUND

Introduction to the workshop

13:40 TAKE THE POLE POSITION - PART 1

KEYNOTE: title of the lecture to follow

Jürgen Kohler – Daimler AG

Cognitive Computing meets Computer Aided Engineering

Dr. Stefan Suwelack - Karlsruhe Institute of Technology (KIT), Institute for Anthropomatics Humanoids and Intelligence Systems Lab

The NUBERISIM platform - A new way to predict fluid flow noise using cloud-based Computational Aero-Acoustics

Carlos Falquez, Dr. Iris Pantle, Dr. Balazs Pritz – NUMERISIM, Falquez, Pantle und Pritz GbR

14:40-15:00 PIT STOP

Coffee break

15:00 TAKE THE POLE POSITION - PART 2

Simulation Driven Innovation in the Cloud – A Game Changer?

Detlef Schneider, Altair, Inc.

Usage of GPU LS-DYNA in the Cloud

Prof. Ulrich Göhner – DYNAMore GmbH

COMSOL Server:

Simulation without frontiers

Dr. Bernhard Fluche – COMSOL Multiphysics GmbH

16:00-16:20 PIT STOP

Coffee break

16:20 TAKE THE POLE POSITION - PART 3

Overview of Cloud Systems and Services for CAE

Christopher Woll and Jan Martini – GNS Systems GmbH

CAEaaS: on-demand simulation out-of-the-cloud

Markus Westhäußer – T-Systems International GmbH

PaaSage: Model-based Cloud Platform Upperware

Prof. Dr. Keith Jeffery, Dr. Geir Horn, Dr. Alessandro Rossini, Prof. Dr. Kostas Magoutis, Carlos Falconi - PaaSage Project Consortium (EU FP7)

17:30 CHEQUERED FLAG

Get-together – networking and small snack

The event is sponsored by  Altair