

simpulsdays

greenCAE



10

November
2016
WEISSACH

Simulation methods are **pioneers of the mobility of the future**. They enable engineers to analyze highly complex interrelationships within the shortest possible time and to efficiently cope with hitherto unsolved problems. Even though this technology may play a pivotal role in the design of future mobility concepts, it is the impending challenges that are of major importance to society. Mobility is one of the central pillars in the inexorable striving of an ever-growing world population for more prosperity. **Alternative drive concepts, resource efficiency and lightweight design, networking, data analysis and autonomous driving** are trend-setting concepts to avoid a global collapse in the mobility sector. For this purpose, existing technology has to be linked – through technology transfer – to the latest achievements from the academic and business communities.

The peripheral conditions that arise from globalization require more than an adjustment of the final products. On the contrary, they call for a **new way of thinking in the development process and the training of future engineers**. Due to a consistent method development, innovative simulation methods together with the use of high-performance computing allow us to tap into as yet unused potential.

With the **simpulsdays greenCAE** the asc(s) will put the focus on the significant contribution of state-of-the-art computer technology on the way to environmentally friendly vehicles for an entire day. We want to highlight future challenges and build **the bridge to the development of simulation methods**. This event will be a cornerstone for the development of a greenCAE strategy, and the asc(s), being an internationally established interest group, will implement it in a responsible manner amongst its members in the years to come. The greenCAE strategy serves as a roadmap for outstanding project plans and innovative developments. The event's target audience are decision-makers in politics and mobility, managers in the automotive industry, development engineers, scientists and all interested parties in the field of virtual vehicle development.

The **simpulsdays greenCAE** is part of the AINET project – *“Ausweitung und Intensivierung der Netzwerkaktivitäten”* (Expansion and Intensification of the Network Activities) – at the asc(s) funded by the *Ministerium für Wissenschaft, Forschung und Kunst, Baden-Württemberg* (Baden-Württemberg's State Ministry of Science, Research and the Arts).



Baden-Württemberg

MINISTERIUM FÜR WISSENSCHAFT, FORSCHUNG UND KUNST

From simulations to movement.

AGENDA (DRAFT)		
	Setup of exhibition on the previous day	
8.00 am	Registration of event guests Visit to the exhibition	
9.00	Initial welcome and motivation	
9.15	Welcoming address by political dignitary	
9.25	KEYNOTE: "Simulation and Virtual Reality as future links between Customer and OEM" Dr. Ulrich W. Schiefer Managing Director - AtTrack GmbH	
9.55	Fast-forward presentation exhibitors (3 mins relating to greenCAE): solutions for green CAE	
10.20	Coffee break and visit to the exhibition	
11.00	Session A: Lightweight Design	Session B: Alternative Drives
	<i>Development of Light Weight Designs Using Simulation Based Optimization</i> Prof. Dr. Lothar Harzheim Optimization and Robust Engineering Adam Opel AG	<i>Honda Clarity Fuel Cell - a Contribution to Realize the Hydrogen Society</i> Thomas Brachmann Automobile Powertrain & Material Research Honda R&D Europe (Deutschland) GmbH
	<i>Simulation Methods for Process Design of Structural Composite Components</i> Dr. Luise Kärger KIT – Institute of Vehicle System Technology (FAST) – Lightweight Technology	<i>Thermal Management for Alternative Drives</i> Dr. Heike Schönerstedt Senior Manager Thermal Management Daimler AG
	World Café Lightweight Design *	World Café Alternative Drives *
12.30	Lunch break and visit to the exhibition	
2.00 pm	Session C: Autonomous Driving	Session D: Data Analytics / HPC
	<i>Distance Perception in Driving Simulators</i> Dr. Hans-Peter Schöner Senior Manager Driving Simulator, Workshops and Testing Daimler AG	<i>Connecting HPC and Analytics in Automotive Design</i> Greg Clifford Manufacturing Segment Manager CRAY Inc.
	<i>Simulation Driven Innovation for Autonomous Driving</i> Dr. Markus Schick Director Electromagnetic Solutions - EMEA Altair Engineering GmbH	<i>Machine Learning for Numerical Crash Simulations</i> Prof. Dr. Jochen Garcke Head of Department Fraunhofer SCAI
	World Café Autonomous Driving *	World Café Data Analytics / HPC *
3.30	Coffee break and visit to the exhibition	
4.15	Podium & results of World Cafe → roadmap	
4.45	VISIONARY KEYNOTE: "Conquering Virtuality: How Simulation Changed - and Will Change - human life" Matthias Horx, Futurist	
5:40	Closing remarks	
5.45	Get-together and networking in the exhibition (with snacks and drinks)	
from 7.00	Dismantling of exhibition	

Moderation of the thematic blocks by chairmen. *World Cafe: interactive development of chances, obstacles and drivers (in 3 groups with 7mins each, rotative)

Sponsors & Exhibitors:

Gold



Silver



Tickets

Conference ticket November 10, 2016

for members of asc(s)	390.-
other	475.-

Universities and public research institutes receive a 50% discount on the registration fees.

Please note: all prices plus the legal value added tax.

SPONSORING

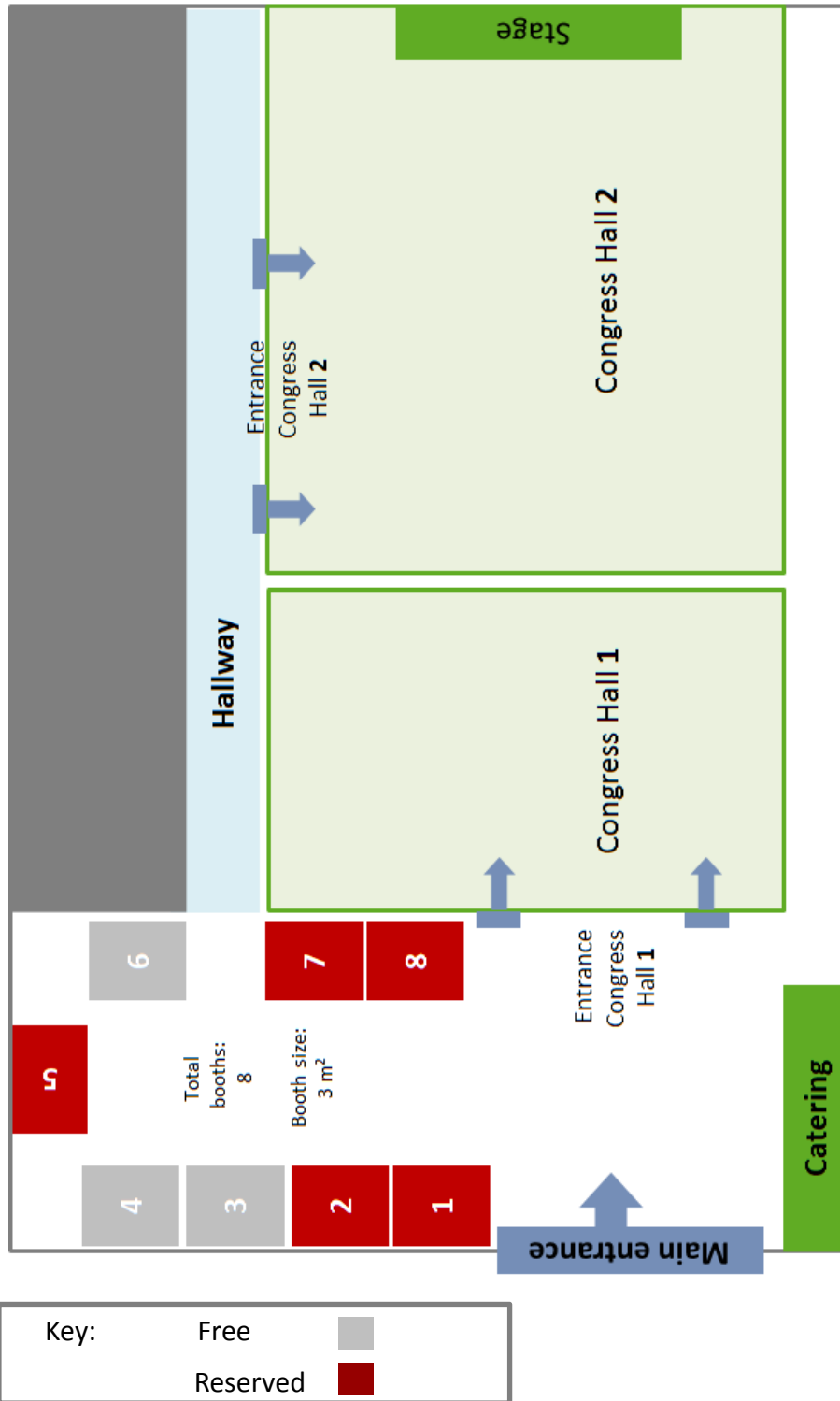
Main packages

availability according to the principle "first come first serve"

	PLATINUM	GOLD	SILVER
Price (netto)	4.000 €	2.500€	1.500 €
Direct Conference Advertisement			
Logo on invitation flyer	x	x	x
Logo on registration website	x ¹	x ²	x ³
Logo and link on web platform for participants	x ¹	x ²	x ³
Logo on conference poster	x ¹	x ²	x ³
Logo presentation during workshop breaks	x ¹	x ²	x ³
Fast forward company presentation in session	x	x	x
Flyer as bag inserts	x	x	
Flyer on web platform for participants [PDF]	x	x	
Logo on event proceedings	x	x	
Logo on batches	x		
Brochure as bag inserts	x		
Banner next to the stage	x		
Advertisement in the foyer			
6m ² stand space in the foyer	x		
3m ² stand space in the foyer		x	x
Extras			
3 tickets for free	x		
2 tickets for free		x	
1 ticket for free			x

¹large ²medium ³small

Event location: Strudelbachhalle, Flachter Str. 60, 71287 Weissach, Germany



1 DYNAmore GmbH

2 Cray Computer Deutschland GmbH

3

4

5 Lasso Ingenieurgesellschaft mbH

6

7 carhs.training gmbh

8 Altair Engineering GmbH

Registration as a sponsor

We will take the following sponsoring packages (all prices plus the legal value added tax):

Platinum 4.000€

Gold 2.500€

Silver 1.500€

Preferred booth number: _____

Fax: +49 (0) 711 699 659-29 or email: events@asc-s.de

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SIMPULSEDAY ADMINISTRATION OFFICE:

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