



2013-2014  
**DEUTSCHLAND + BRASILIEN**  
Wo Ideen sich verbinden



Bundesministerium  
für Bildung  
und Forschung

**DAAD**

Technische Hochschule  
Ingolstadt



# First E-Mobility Forum Ingolstadt Brazil (23/09-27/09/2013)

## WORKSHOP

## I. E-Mobility Forum Ingolstadt Brazil

	Monday (23/09)	Tuesday (24/09)	Wednesday (25/09)	Thursday (26/09)	Friday (27/09)	Testing of driving simulator (4 WD vs. 2 WD)
8.00 - 10.00	Welcome & Get Together	Modeling of different electric drive trains	Optimization of the best drive train	Set-up of driving simulator and first test runs	Welcome (DWIH/ Alemanha+Brazil) Presentation of UFSC & strategic partnership AWARE	
10.00 - 10.30 Coffee break					10.30 - 11.00 Coffee break	
10.30 - 12.00	Analysis of race track data	Comparison of different drive train concepts (FWD, RWD, 4WD)	Optimization of the best drive train	WEG presentation of company & developed product lines	Team and result presentation (Schanzer Racing)	
12.00 - 13.30 Lunch break					13.00 - 14.30 Lunch break	
13.30 - 15.30	Definition of torque and speed requirements	Analysis of the energy efficiency of different drive train concepts	Summary of the results	WEG E-mobility: cases and application	Team and result presentation (UFSC Baja SAE / UFPR Fórmula / Unicamp E-Racing / Fórmula UFSC Team)	
15.30 - 16.00 Coffee break					16.00 - 16.30 Coffee break	
16:00 - 16:30	<b>Public presentation</b> Requirements of an Electrical Engine in a Race	<b>Public presentation</b> Comparison between different Drive Train Concepts	<b>Public presentation</b> Optimized Drive Train Model	<b>Public presentation</b> Concept for a Future Formula SAE Car	Further presentations (WEG / ESSS/ Conti / BMW / ...) <i>(to be determined)</i>	
16.30 - 18.00	"Public German Evening"	"Public Brazilian Evening"	ESSS & E-Mobility	BMW & E-Mobility <i>(to be determined)</i>	<b>Panel discussion</b> "E-Mobility in Brazil: Opportunities and Risks" (VDI, THI, DWIH, FSAE-Teams, BMW,SAE, ESSS, WEG,...) <i>(to be determined)</i>	

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