



Westsächsische Hochschule Zwickau
University of Applied Sciences



ISAT

Automotive Engineering in Research & Education

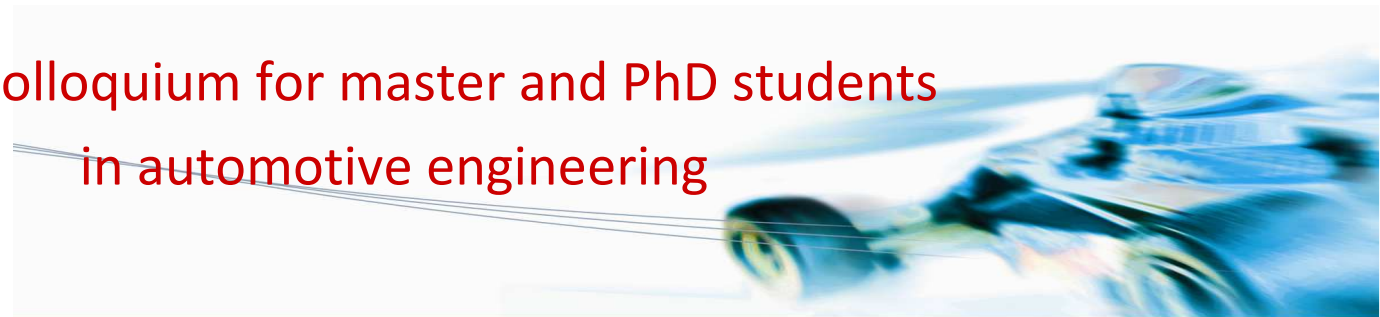


WHZ – TUL – ISAT joint colloquium

December 8 and 9, 2011 in Nevers, France



Joint colloquium for master and PhD students
in automotive engineering



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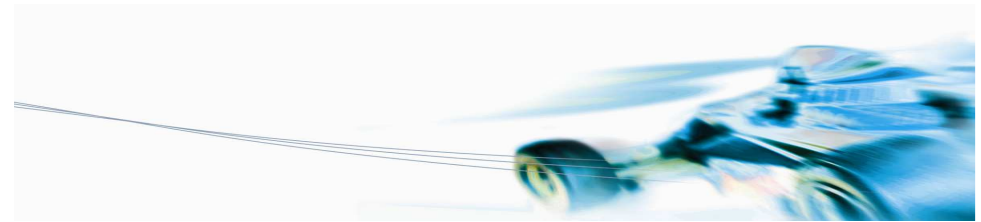
Program

Thursday, 8 December 2011

- 9:15 Welcome at ISAT
- 9:45 Presentations
- 12:00 Lunch Break
- 14:00 Presentations
- 16:00 Poster session
- 16:00 Formula Student ISAT
- 16:00 Joint master meeting
- 20:00 Evening event

Friday, 9 December 2011

- 9:00 Visit of Magny Cours race track and companies
- 12:00 Sandwich and transfer to ISAT
- 13:30 Visit of ISAT facilities
- 16:00 End of Colloquium





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Presentations (1/2)

Time	Name	Uni	Topic
9:50-10:10	Sanisah Saharin	ISAT	Vaporization characteristics of alcohol droplets
10:10-10:30	Martin Pechout	TUL	Operation compress ignition engines on rapeseed oil
10:30-10:50	Marcel Venci	TUL	The internal mixture formation of the SI hydrogen engine
10:50-11:10	Shaoxiong. Liang	ISAT	A comparative study of fatigue behaviour of flax/epoxy and glass/epoxy composites
11:10-11:30	Josef Popelka	TUL	The SI engine with direct injection of hydrogen
11:30-11:50	Juliette Bert	ISAT	Modelling and optimization of a stirling engine for automotive applications



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Presentations (2/2)

Time	Name	Uni	Topic
14:00-14:20	Aleš Dittrich	TUL	Particulate matter in engine exhaust gases
14:20-14:40	Hanan Mokhtar	ISAT	Hygrothermal effects on quasi-isotropic quasi-homogenous carbon epoxy composites subjected to low velocity impact
14:40-15:00	Tomáš Mihulka	TUL	Design of an Electric Automobile Chassis Using Aluminium Profiles
15:00-15:20	Marco Riedel	WHZ	Numerical investigation of cavitation effects in small gaps
15:20-15:40	Nicolas Watrin	UTBM	Internal cells impedance modeling for thermal management
15:40-16:00	Racing Team	WHZ	Dimensioning and integration of Components in Racing Applications

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Poster Session

- Pavel Brabec (TUL):** Experimental Determination of Inertia Ellipsoid
- Robert Voženílek(TUL):** Steer by Wire
- Ondřej Dráb (TUL):** Measurement of Mechanical Losses in the Combustion Engine
- Petr Starý (TUL):** Experimental Stand for Research of Common-Rail Injectors
- Zul Hilmi Che Daud (ISAT):** Lithium-Ion Battery Modelling for Racing Type Hybrid Electric Vehicle (HEV)
- Zainab Asus (ISAT):** Modeling of a Control Strategy for a Series HEV to Optimize Fuel Consumption and Sustain Battery Charge
- Reda Bouchnafa (ISAT):** (title to be confirmed)
- Matthias Nobis (WHZ) :** Experimental Study of the flow between two cylinders with cross flow
- Marcus Schmidt (WHZ) :** Numerical Study of the Couette Flow with Cross Flow
- Rostand Tayong (ISAT):** Holes interaction effect on the sound absorption coefficient of perforated plates backed by a porous material: The nonlinear regime
- Alexis Castel (ISAT) :** Complex power distribution analysis in plates covered with passive constrained layer damping patches