

VECOM Suppliers Workshop: Vehicle Concept Modelling in the Automotive Sector



Venue: VLEVA Office, Kortenberglaan 71, Brussels
June 6-7, 2011
organized by K.U.Leuven, LMS and VLEVA; fully endorsed by CLEPA

This VECOM Suppliers Workshop is set up in the framework of the FP7 Marie Curie Initial Training Network (ITN) VECOM – Vehicle Concept Modelling (Grant Agreement: 213543) - <http://www.vecom.org/> and is a co-organisation of the VECOM consortium, CLEPA – The European Association of Automotive Suppliers and VLEVA – The Liaison Agency Flanders Europe.

The two-day workshop will take place on the 6th and 7th of June 2011 at the office of VLEVA at the Kortenberglaan 71 in Brussels. The venue is at walking distance from the “Schuman” metro station.

Participation to the event is free of charge, however registration is required before June 1st, 2011 by returning the below registration form via email to tommaso.tamarozzi@mech.kuleuven.be

For further information, have a look at the workshop website (<http://www.vecom.org>) or contact the organizers.

Bert Pluymers, Tommaso Tamarozzi
K.U.Leuven, Dept. Mechanical Engineering
Belgium
bert.pluymers@mech.kuleuven.be, tommaso.tamarozzi@mech.kuleuven.be

Additional information attached:

- Workshop agenda
- Venue
- Registration form

Workshop agenda

Monday June 6

12:00-13:00 **Registration & Sandwich lunch**

13:00-13:30 **Welcome**

- *About VECOM* (B. Pluymers, K.U.Leuven; S. Donders, LMS)
- *About CLEPA* (W. Verhoeve, CLEPA)
- *About VLEVA* (P.-P. Knops-Gerrits, VLEVA)

13:30-14:00: **Opportunities in the FP7 People Program – ITN, EID and IAPP** (V. Debiais-Sainton and F. Miranda, DG EAC)

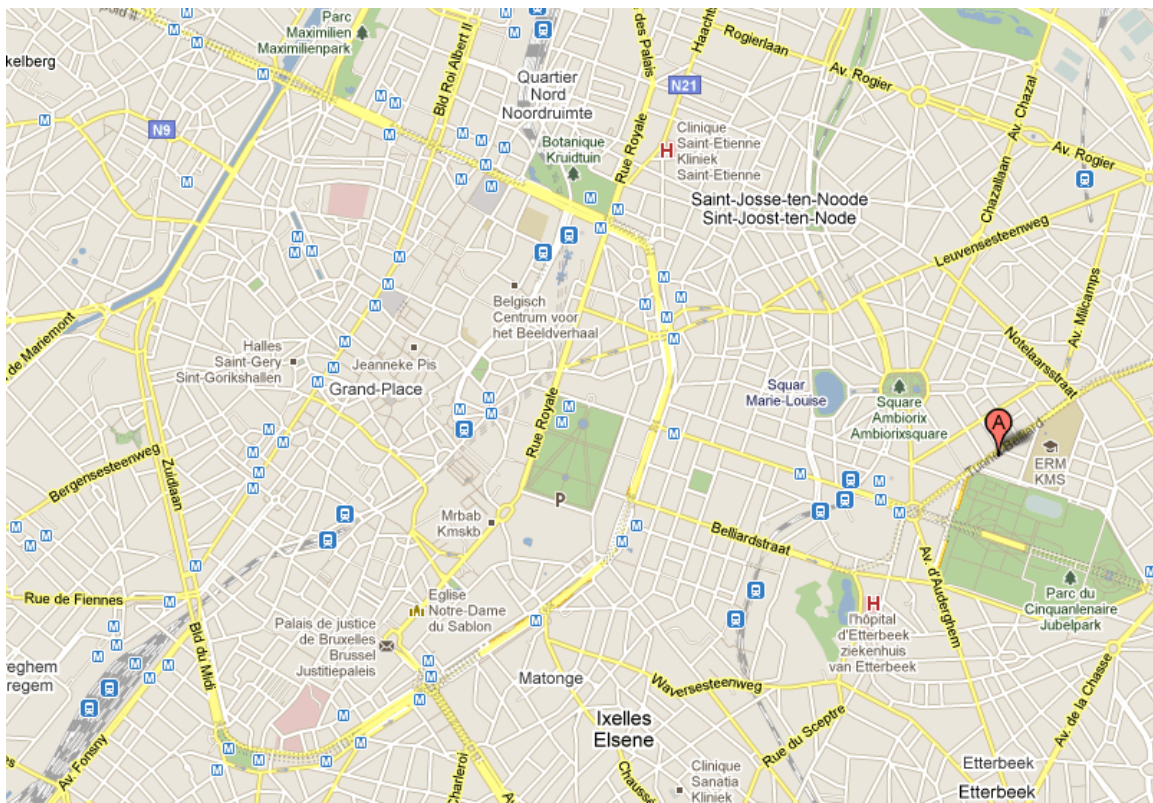
<p>14:00-15:00 VECOM Fellow Presentations</p> <ul style="list-style-type: none"> • <i>Development of Design Assistance System</i> (S. Bogomolov, CTU Prague) • <i>NVH multi-disciplinary optimization of a vehicle suspension by means of combined multibody and FE techniques</i> (T. Tamarozzi, K.U.Leuven) • <i>Model Updating and Optimization of Vehicle Structural Concepts</i> (P. Mihaylova, UNIFI)
15:00-15:20 Coffee Break
15:20-15:50: Application of a hybrid Computational Aeroacoustics method to an automotive blower (Melanie Piellard ,Delphi)
<p>15:50-16:50 VECOM Fellow Presentations</p> <ul style="list-style-type: none"> • <i>Vehicle Concept Modelling for Car Body NVH Optimization in the Early Design Phase at BMW AG</i> (A. Moroncini, BMW) • <i>Advanced Transitional Modelling for Calculation of Aerodynamic Self-Sustained Noise</i> (M. De Gennaro, AIT) • <i>Investigation of the NH₃ and NO_x adsorption for the development a Urea-SCR kinetic model for engine After-treatment system simulation</i> (S. Skarlis, IFP)
16:50-17:10 Coffee Break
17:10-17:40: NVH CAE concept modeling and optimization at BMW (Luc Cremers, BMW)
<p>17:40-18:20 VECOM Fellow Presentations</p> <ul style="list-style-type: none"> • <i>Exhaust gas after-treatment modelling: a focus on the NH₃-SCR of NO_x from Diesel vehicles</i> (M. Colombo, LAT) • <i>Validation of the Eulerian-Lagrangian Spray Atomization model in Diesel sprays</i> (K.-A. Dung, CMT)
19:30-22:00 Dinner in Brussels

Tuesday June 7

9:00-9:30: Lecture by CLEPA expert (tbd)
<p>9:30-10:30 VECOM Fellow Presentations</p> <ul style="list-style-type: none"> • <i>Impact of Multi-Body Component Flexibility on the Simulation of a Vehicle Active Braking Manoeuvre</i> (Marco Gubitosa, LMS) • <i>Multi-objective optimization tool- validation and extension</i> (I. Kowarska, J. Korta, CRF) • <i>Real-Time Capable Modelling of Modern Vehicle and Powertrain</i> (S. Bardubitzki, AVL)
10:30-10:50 Coffee Break
10:50-11:20: NVH numerical analysis and concept phase assessment in the car development phase (M. Danti, CRF)
<p>11:20-12:20 VECOM Fellow Presentations</p> <ul style="list-style-type: none"> • <i>Structural dynamical analysis using Enhanced assumed strain method</i> (N. Srivatsan, IDMEC) • <i>Vehicle Dynamics Modelling and Test Methodologies</i> (Ozan Avarisli, PoliTo) • <i>Validation of a DPF model based on engine experiments</i> (T. Bollerhoff, LAT)
12:20-12:30: Adjourn
12:30-13:30: Sandwich lunch

Venue

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Registration Form

Complete the registration form below and send it via email to Tommaso Tamarozzi (tommaso.tamarozzi@mech.kuleuven.be)

Name:	
Surname:	
Title:	
Organisation:	
Address:	
City:	
Country:	
Phone:	
Email:	

Professional activity and interest in the Workshop: