

# 5<sup>th</sup> International VirtualPaintShop® Users' Meeting 2009



November 19<sup>th</sup> – 20<sup>th</sup>, 2009, Congress Center Leipzig, Germany

## Invitation & Tentative Agenda

**CADFEM is pleased to announce the 5<sup>th</sup> International VirtualPaintShop® Users' Meeting 2009 taking place within the "ANSYS Conference & 27<sup>th</sup> CADFEM Users' Meeting" ([www.usersmeeting.com](http://www.usersmeeting.com)) at the Congress Center Leipzig, Germany.**

In recent years the VirtualPaintShop® Users' Meeting has become one of the industrial paint industries 'must see' events. Essential for companies involved in the simulation of automotive painting, the meeting offers those in attendance the chance to meet other users, developers and many industry experts. A truly unique opportunity!

Please find the tentative agenda of the 5<sup>th</sup> International VirtualPaintShop® Users' Meeting 2009 on the next page.

**We look forward to your participation!**

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## Tentative Agenda

Thursday, November 19<sup>th</sup>

- 12:40 h Lunch
- 14:00 – 15:40 h **Drying Simulation of Car Bodies, Part I: VPS/DRY**  
C. Steinbeck-Behrens (CADFEM GmbH, Hannover)
- Drying Simulation of Car Bodies, Part II: CFD**  
R. Löffler (ANSYS Germany GmbH, Darmstadt)
- Improvement of a Dryer Concept Using VPS Simulations**  
U. Lauk (Dr. Ing. h.c. F. Porsche AG, Stuttgart),  
H. Schüler (CADFEM GmbH, Chemnitz)
- Paint Drying Simulation as part of the Body-in-White Manufacturing Processes in the ViProf project**  
J.-S. Knick (CADFEM GmbH, Berlin),  
S. Kulp (Volkswagen AG, Wolfsburg)
- 15:40 h Coffee Break
- 16:20 – 18:00 h **VPS/EDC Model Reduction**  
H. Schnattinger, M. Brettmann (Audi AG, Ingolstadt)
- Thermal and Mechanical Paint Drying Simulation and it's Application on Body-in-White models at Audi AG**  
K.-M. Huber (Audi AG, Ingolstadt)
- Simulation of the Heat and Mass Transfer during Paint Drying Processes**  
F. Brinckmann, P. Stephan (Technische Universität Darmstadt), R. Löffler, T. Lehnhäuser (ANSYS Germany GmbH, Darmstadt)
- Optimization of Process Parameters of Automotive Virtual Painting Application**  
S. Blum (Dynardo GmbH, Weimar),  
T. Lehnhäuser (ANSYS Germany GmbH, Darmstadt), H.-J. Neubauer & N. Henkel (BMW AG, München)
- Conclusion, Remarks to Friday Sessions and Open Discussion**  
G. Zelder (CADFEM GmbH, Grafing)
- 19:00 h Social Event of the ANSYS Conference & 27<sup>th</sup> CADFEM Users' Meeting

Friday, November 20<sup>th</sup>

- 09:00 – 10:40 h **VPS/DRY: Enhancements and New Release, Illustrated with some Examples**  
- Presentation and Live Demo  
- Methods Behind  
- Calibration Process
- VPS/DIP: Enhancements and New Release, Illustrated with some Examples**  
- Presentation and Live Demo
- VPS/EDC: Enhancements and New Release, Illustrated with some Examples**  
- Presentation and Live Demo
- EDC Calibration Process: Practical Aspects and New Measurement Setup**
- 10:40 h Coffee Break
- 11:00 – 12:40 h **VPS/Toolkit: Modeling Enhancements in CATIA V5 Toolkit**  
- Faster Model Generation  
- Reduced Modeling
- Combination of Thermal and Mechanical Analysis on Car Bodies**  
- Different Methods for Nonlinearities, Substructuring, Submodeling, etc.  
- Plasticity, Buckling, Adhesives,...
- General Discussion, Questions, User Requirements**
- 12:40 h Coffee Break
- 13:00 – 14:00 h **Closing Plenum ANSYS Conference & 27<sup>th</sup> CADFEM Users' Meeting**
- 14:00 h Lunch
- 17:00 h Optional:  
Departure by bus to the Porsche Factory Leipzig.  
Factory tour and subsequent dinner.

# Registration Form

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## Fees

2 days	595,00 EUR per attendee
1 day	395,00 EUR per attendee
Entire "ANSYS Conference & 27 <sup>th</sup> CADFEM Users' Meeting", November 18 <sup>th</sup> – 20 <sup>th</sup>	795,00 EUR per attendee

All prices plus 19 % VAT. Faculty members receive a discount of 30% on the conference fees, members of research institutions (except Inc.) and non-profit organizations receive a discount of 15%.

## Location

Congress Center Leipzig  
Messe-Allee 1  
04356 Leipzig  
Germany  
Phone +49 (0) 341-678 86 44  
www.ccl-leipzig.de

## Organization

CADFEM GmbH  
www.cadfem.de

**Note: A registration for the "5<sup>th</sup> VirtualPaintShop Users' Meeting" also includes full access to all conference sessions, receptions and meals for the collocated "ANSYS Conference & 27<sup>th</sup> CADFEM Users' Meeting".**

## Attendee

**I would like to register immediately:**

(Please mark your days of participation)

- Thursday, November 19<sup>th</sup>, 2009  
 Friday, November 20<sup>th</sup>, 2009  
 Entire "ANSYS Conference & 27<sup>th</sup> CADFEM Users' Meeting"  
 November 18<sup>th</sup> – 20<sup>th</sup>, 2009

**I am a member of the ANSYS Users Club (AUC)**

**I would like to submit a paper**

- 20 minutes       40 minutes

**Topic** \_\_\_\_\_

(Please send a short abstract by fax or by e-mail to [info@virtualpaintshop.com](mailto:info@virtualpaintshop.com))

I agree with a publication of the lecture in the conference documents and use for marketing purposes by ANSYS and CADFEM after the event.

- It is a user presentation**       I prefer receiving a complimentary day  
 **It is a software or hardware presentation**       I prefer receiving a 200,00 EUR payment
- I have questions regarding my presentation. Please contact me!**
- We intend to participate in the software and hardware exhibition – please contact us to discuss details**

Name \_\_\_\_\_

First name \_\_\_\_\_

Title \_\_\_\_\_

Company/University \_\_\_\_\_

Department/Institute \_\_\_\_\_

Street \_\_\_\_\_

Postal Code (street)/City \_\_\_\_\_

P.O. box \_\_\_\_\_

Postal Code (P.O. box)/City \_\_\_\_\_

Country \_\_\_\_\_

E-mail \_\_\_\_\_

Phone \_\_\_\_\_

Fax \_\_\_\_\_

Date \_\_\_\_\_

Signature \_\_\_\_\_

→ **Please complete and return it to CADFEM GmbH,  
Fax +49 (0) 80 92-70 05-77.**

**Please send the bill to the following address:**

Cancellations can be made free of charge until October 30<sup>th</sup>, 2009.  
All registrations and submissions of papers can also be made online  
at [www.virtualpaintshop.com](http://www.virtualpaintshop.com).

Please make your room reservation on [www.usersmeeting.com](http://www.usersmeeting.com).