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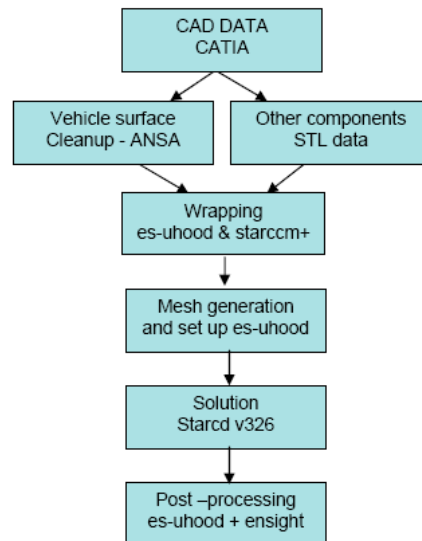


SAE 2008-01-2996

## “The Role of Aerodynamics in the 1955 Le Mans Crash”

Peter Gullberg and Lennart Löfdahl  
Chalmers University of Technology

Motorsports Engineering Conference  
Concord, North Carolina,  
December 2-4, 2008

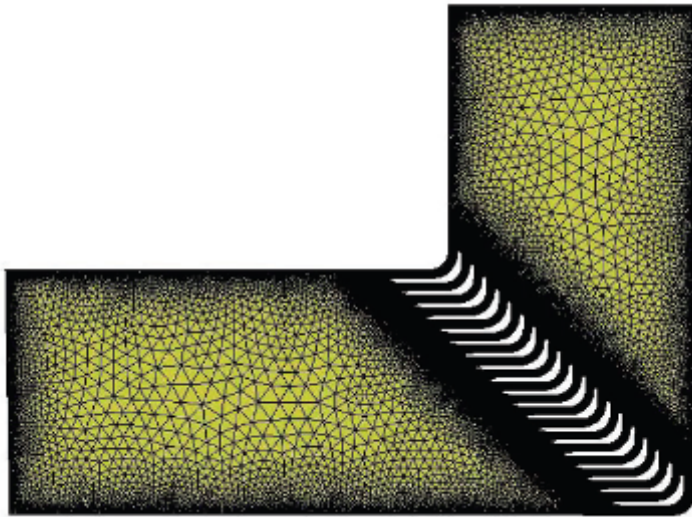


SAE 2008-01-1431

## “Parametric Shape Optimization”

Dhananjay S. Joshi, Xijia Zhu and Kanwerdip Singh  
Chrysler LLC

2008 World Congress, Detroit, Michigan, April 14-17, 2008



SAE 2008-01-1203

**“Calculations of Wind Tunnel Circuit Losses  
and Speed with Acoustic Foams”**

Yeupin Phillip Yeh, Franz (Max) Schenkel  
Frank Meinert and Robert Niemiec  
General Motors

2008 World Congress, Detroit, Michigan, April 14-17, 2008

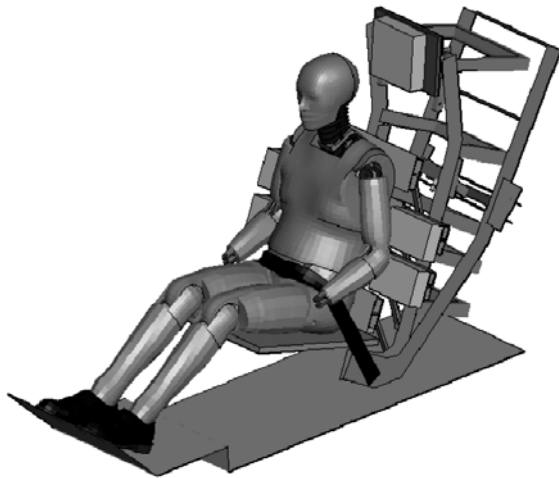


SAE 2008-01-0659

**“CFD Simulation of NASCAR  
Racing Car Aerodynamics”**

Rajneesh Singh  
General Motors Corp

2008 World Congress, Detroit, Michigan, April 14-17, 2008



SAE 2008-01-0509

“Development of a New Finite Element Model for  
the BioRID II Crash Dummy”

Sridhar Sankar, Andrzej Baranski, Ebru Taylak-Tokcelik  
George Scarlat, Martin Roswall, Victor Oancea and Bill Grimes  
Dassault Systèmes Simulia Corp.

2008 World Congress, Detroit, Michigan, April 14-17, 2008

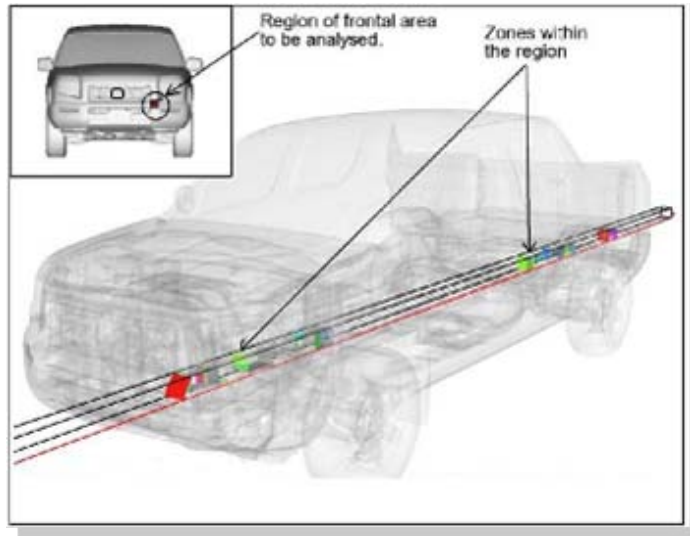


SAE 2008-01-0097

“Development of a Model Scale Heat Exchanger  
for Wind Tunnel Models of Road Vehicles”

Lasse Christoffersen, David Söderblom and Lennart Löfdahl  
Chalmers University of Technology  
Anders Jönson  
Volvo Car Corporation

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## SAE 2008-01-0096 "Application of Emergent Aerodynamic Calculation Tools"

Kurt A. Zielinski  
Honda R&D Americas, Inc.  
Jonathan Eccles  
Honda Racing F1

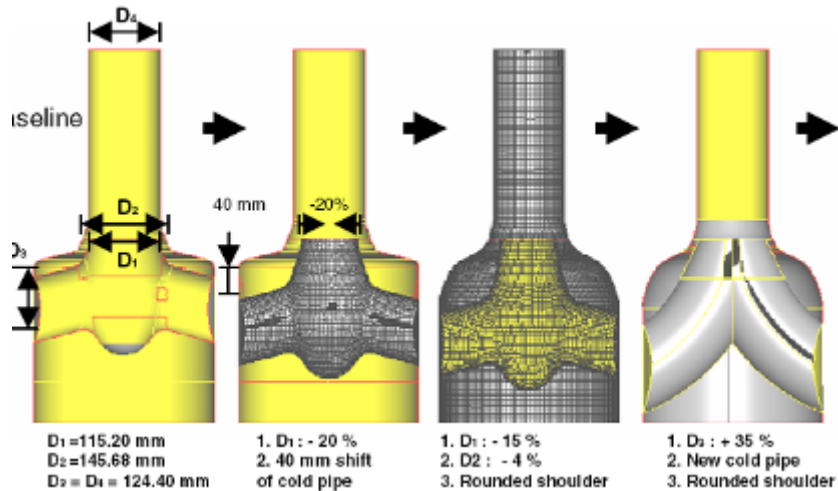
2008 World Congress, Detroit, Michigan, April 14-17, 2008



## SAE 2007-01-4280 "Under-hood Thermal Simulation of a Class 8 Truck"

Clinton L. Lafferty  
Volvo Group North America  
Ales Alajbegovic and Kevin Horrigan  
Exa Corporation

Commercial Vehicle Engineering Congress and Exhibition  
Rosemont, Illinois  
October 30-November 1, 2007

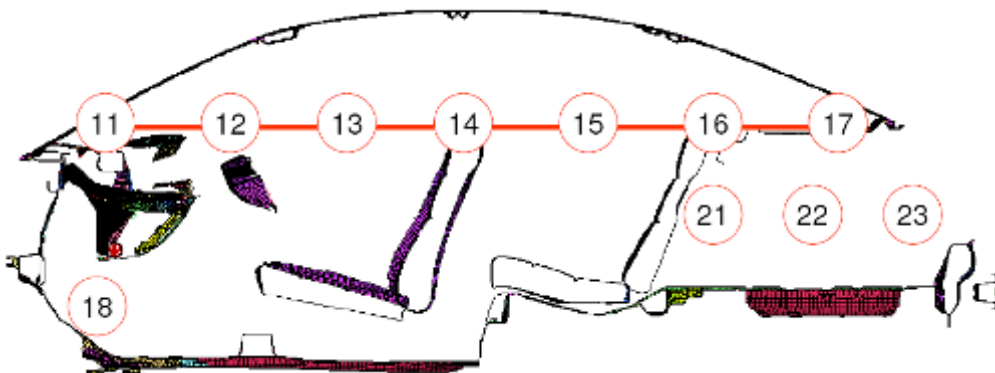


SAE 2007-01-4199  
 "Compact Post-Aftertreatment Temperature Control Device for Exhaust Gas Cooling"  
 Tim Juan, Mark Schmale, Ron Schoon and Mike Eifert  
 International Truck and Engine Corporation

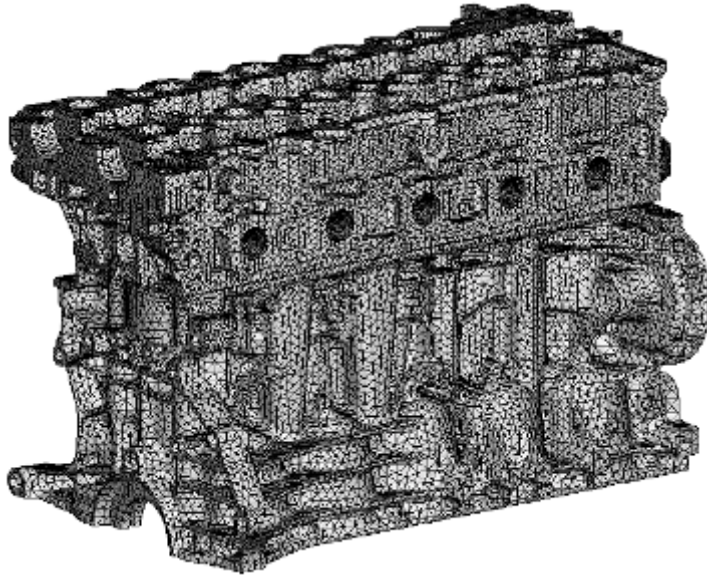
Commercial Vehicle Engineering Congress and Exhibition  
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 "An Investigation of the Coupling Between the Passenger Compartment and the Trunk in a Sedan"

Andrzej Pietrzyk and Tage Bengtsson  
 Volvo Car Corporation



Noise and Vibration Conference and Exhibition  
 St. Charles, Illinois  
 May 15-17, 2007



JSAE 20077198  
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“Accurate Modelling of the  
Thermal Behaviour of a Diesel  
Engine by Means of CFD and its Validation”

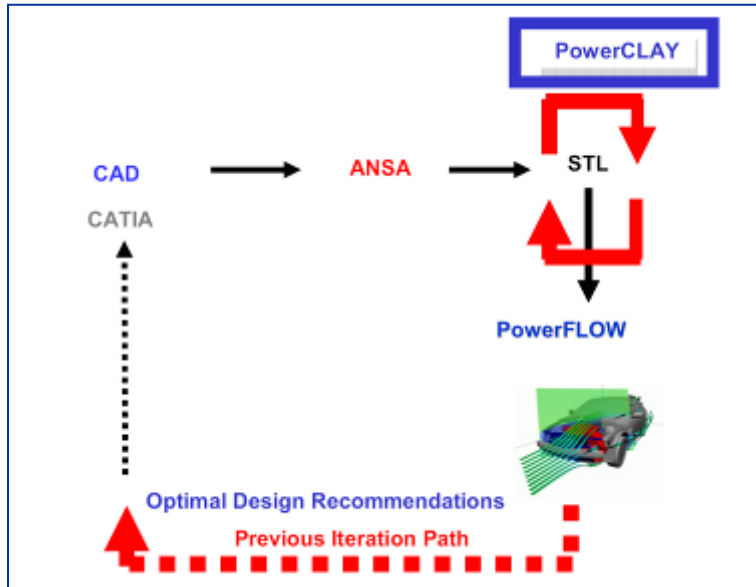
S. Etemad, T. Hagner  
Volvo Car Corporation, Gothenburg, Sweden  
C. F. Stein  
F S Dynamics, Gothenburg, Sweden



SAE 2007-01-1194  
“Reduction in Vehicle Temperatures and Fuel Use  
from Cabin Ventilation, Solar-Reflective Paint,  
and a New Solar-Reflective Glazing”

John P. Rugh, Lawrence Chaney and Jason Lustbader  
National Renewable Energy Laboratory  
John Meyer  
Visteon

2007 World Congress, Detroit, Michigan, April 16-19, 2007



SAE 2007-01-0110

## "A CFD Application of Surface Morphing for Vehicle Exterior Development"

Xijia Zhu and Mark Gleason  
DaimlerChrysler Corporation CG

Khaled Sbeih  
EXA Corporation

2007 World Congress, Detroit, Michigan, April 16-19, 2007

SAE 2007-01-0109

## "The Immersed Boundary CFD Approach for Complex Aerodynamics Flow Predictions"

Shailesh Jindal, Bahram Khalighi, James P. Johnson  
and Kuo-Heuy Chen

General Motors

Gianluca Iaccarino  
Stanford University

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