

## Engineering Center Steyr

Conference Center:  
The Management Education Center  
811 West Square Lake Road  
Troy, MI 48098  
Tel: (248) 879-2456  
www.mectroy.com



### Directions:

From I-75 take the Crooks Road exit. Crooks Road is exit number 72. At the end of the exit ramp turn right and go 1/2 mile north on Crooks Road to the intersection of Square Lake Road. Turn right on to Square Lake Road and head east. The MEC driveway is the first one on the right hand side.



### Hotels:



**Embassy Suites, Troy**  
850 Tower Drive  
Troy, MI 48098  
248-879-7500  
(very close 1.6 miles)



**Hilton Detroit/Troy**  
5500 Crooks Road  
Troy, MI 48098  
248-879-2100  
(closest hotel to center, 0.7 miles)



## Engineering Center Steyr



# 3<sup>rd</sup> KULI User Meeting North America

Friday, April 7<sup>th</sup>, 2006

MSU Management Education Center in Troy, MI



## Vehicle Thermal Management Optimization

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MSU Management Education Center in Troy, MI

### Program

- 08:30 am **Welcome Reception**
- 09:00 am **Welcome and Overview**  
Magna Powertrain – Engineering Center Steyr:  
**New Organization Structure**  
Magna Powertrain – ECS, Daniel Brandstaetter
- 09:15 am **Improving Your Productivity with KULI 7.0 - New Features**  
Magna Powertrain – ECS, Rolf Salomon
- 10:00 am **R744 HVAC-System for Supplementary Heating – Analysis of Different Set-Ups**  
Center of Excellence - Virtual Vehicle, Klaus Martin
- 10:30 am **Coffee Break**
- 11:00 am **The KULI Air Path - Theory & Recommendations**  
Magna Powertrain – ECS, Dr. Christoph Stroh
- 11:45 am **One Dimensional Analysis and KULI Simulation on Vehicle Under-Hood Airflow**  
Valeo Engine Cooling, Ying Tang & John Savage
- 12:15 pm **Lunch**
- 01:45 pm **Why Coupling KULI with CFD?**  
Magna Steyr, Dr. Thomas Moshhammer
- 02:15 pm **Methodology for Direct Coupling of KULI with PowerFLOW (Complete Integration of Air-Side Data from CFD)**  
Exa Corporation – PowerFLOW, Raja Sengupta, Ph.D
- 02:45 pm **Transient Co-Simulation of Comprehensive Vehicle Models by Time Dependent Coupling**  
Center of Excellence - Virtual Vehicle, Wolfgang Puntigam
- 03:15 pm **Official End of the User Meeting**

After the formal meeting, the KULI Team would like to invite you to a reception (3:15pm – 5:00pm). KULI experts will be available for one-on-one discussions and the participants would have the opportunity to share their experiences at this time. (Refreshments will be served.)

Please fax to 248-524-5570  
or register online at [www.kuli.at](http://www.kuli.at)

### Registration for the User Meeting

I will attend the KULI User Meeting North America

First Name \_\_\_\_\_ Last Name \_\_\_\_\_

Company \_\_\_\_\_

Division \_\_\_\_\_ Dept. Code \_\_\_\_\_

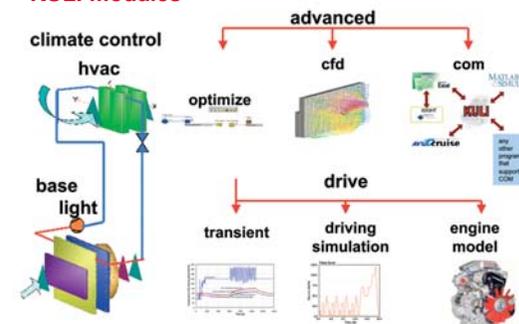
Street or P.O. Box \_\_\_\_\_

Phone \_\_\_\_\_ Fax \_\_\_\_\_

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

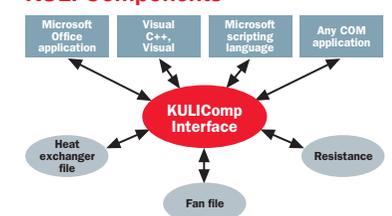
Date \_\_\_\_\_ Signature \_\_\_\_\_

### KULI Modules

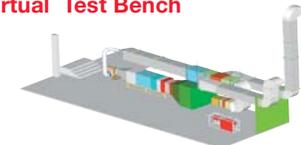


Complete input data  
with KULI components module

### KULI Components



### Virtual Test Bench



For questions please contact:  
Daniel Brandstaetter  
Manager KULI North America  
Phone 248 680 4109  
E-mail: [kuli.usa@ecs.steyr.com](mailto:kuli.usa@ecs.steyr.com)