

3rd KULI

User Meeting

October 17th - 18th, 2001



Program

Wednesday, October 17th, 2001

- 09:00** Welcome
Simulation and Software at ECS
R. Reitbauer, ECS, Steyr
- 09:20** Plenary lecture
Part and perspective of KULI in the virtual vehicle development at AUDI AG
Dr. J. Betz, AUDI AG, Ingolstadt
- 10:00** New version KULI 5.0, general lecture
Control methods, open interfaces, engine-models, fluid-cycles
J. Hager, ECS, Steyr
- 10:30** *Break*
- 11:00** Verification of road tests on the chassis dynamometer and by using KULI
Th. Buchholz, BORG WARNER, Markdorf
- 11:30** Extensions of KULI AC
- branched climate cycles
- model of CO₂-climate cycles
Th. Anzenberger, ECS, Steyr
- 12:00** KULI AC Applications
M. Mann, MODINE, Filderstadt
- 12:30** *Lunch*
- 14:00** KULI-CFD
Combined simulation of high-performance busses
R. Reitbauer, ECS, Steyr
- 14:30** KULI FLUID
Thermostatic valve
Examples for modeling in KULI
Th. Anzenberger, ECS, Steyr
- 15:15** *Break*
- 16:00** KULI HEATSIM
Heating-up of a passenger cabin
R. Salomon, M. Kovac, ECS, Steyr
- 16:30** End

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Thursday, October 18th, 2001

- 09:30** KULI DRIVE
Simulation of transient processes for real driving cycles
Th. Gumpoldsberger, ECS, Steyr
- 10:00** KULI DRIVE Applications
Heating-up process of a truck
M. Raup, SNF, Steyr
- 10:30** *Break*
- 11:00** Powertrain Engineering for Rallye vehicles
Dr. P. Reif, GM ECS, Steyr
- 12:00** A global approach
Cooling system analysis & simulation at Volvo Truck Corporation
Th. Van der Maarel, VOLVO, Göteborg
- 12:30** *Lunch*
- 13:30** KULI as COM Server - Examples
E. Geierlehner, ECS, Steyr
- 14:15** KULI Postprocessing
New features – Online presentation
H. Heizeneder, ECS, Steyr
- 14:45** Résumé and future prospects
R. Reitbauer, ECS, Steyr
- 15:15** End

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Friday, October 19th, 2001

09:00 ECS Steyr, Workshop KULI

- KULI for Newcomer:
Focus on KULI Base
Handling KULI 5.0
Location: ECS, conference room TIS
- KULI for Advanced User:
Focus on specific applications
Modules KULI 5.0
Location: ECS, conference room TZS

12:00 *Lunch* at „Trucktoria“

13:00 Workshop KULI

16:00 End

SOCIAL EVENTS

Tuesday, October 16th, 2001

19:00 **Opening Ceremony at Steyr City Hall**
incl. buffet at Hotel Mader

Wednesday, October 17th, 2001

19:00 **Departure „Schmankerlroas“** by bus
Landgasthof Mayr