PFAU 14 - OpenFOAM® User Meeting
06.07.2017

Agenda

VIRTUAL VEHICLE Research Center is funded within the COMET – Competence Centers for Excellent Technologies – programme by the Austrian Federal Ministry for Transport, Innovation and Technology (BMVIT), the Federal Ministry of Science, Research and Economy (BMWFW), the Austrian Research Promotion Agency (FFG), the province of Styria and the Styrian Business Promotion Agency (SFG). The COMET programme is administrated by FFG.

Agenda

PFAU 14 - OpenFOAM® User Meeting

Thursday, July 6, 2017

9.00 a.m. - 4.30 p.m.

Lecture Room "IMEG 140"

Inffeldgasse 21a, Virtual Vehicle

Presentations:
20 min + 4 min discussion (25 min time slot). Beamer, laptop (Windows), and laser pointer will be provided.

Registration:
via email (alexander.kospach@v2c2). PhD students, post-docs, researchers from industry and academia, as well as engineers from all branches of industry are welcome! For further questions/suggestions please contact alexander.kospach@v2c2!

Location:
You can locate the lecture room via online.tugraz.at ("Search -> Rooms" in the top menu). Train/tram: Go to "Graz Hauptbahnhof", and then take tram no. 6 to "St. Peter Schulzentrum". Car: It is recommended to park in Brucknerstrasse or Sandgasse, the car park in Inffeldgasse is very limited, and only available to staff members!

Outline:

09.00 a.m.	Come together and coffee
09.30 a.m.	Welcome
09.40 a.m.	**Presentation Session I**
11.45 a.m.	Lunch Break (cold Buffet/Snacks)
12.45 a.m.	**Presentation Session II**
02.00 p.m.	Coffee Break
02.20 p.m.	**Presentation Session III**
03.35 p.m.	**Networking (BoF sessions)**
04.20 p.m.	**Wrap Up**
04.30 p.m.	Official End of PFAU 14

Agenda Details

Presentation Session I:

Chair: Andreas Domaingo

1. **József Nagy (JKU Linz):** 09:40 – 10:05
   Optimized injection molding simulations in OpenFOAM
2. **Markus Boesenhofer (TU Wien):** 10:05 – 10:30
   Combustion modeling
3. **Alexander Kospach (VIF):** 10:30 – 10:55
   Coupled TMS simulation with OpenFOAM
4. **Bernhard Gschaider (HFD-Research):** 10:55 – 11:20
   swak4Foam and pyFoam New developments
5. **Benjamin Lukitsch (TU Wien):** 11:20 – 11:45
   Laminar/turbulent transition

Presentation Session II:

Chair: Alexander Kospach

1. **Dirk Baeder (AUDI AG):** 12:45 – 01:10
   Heat transfer in engine compartment flow
2. **Zslot Harsfalvi (TU Wien):** 01:10 – 01:35
   Heat transfer in stirred reactors
3. ~~**Sebastien Vilfayeau (ESI-Group):** 01:35 – 02:00~~
   ~~Advancements in OpenFOAM+~~

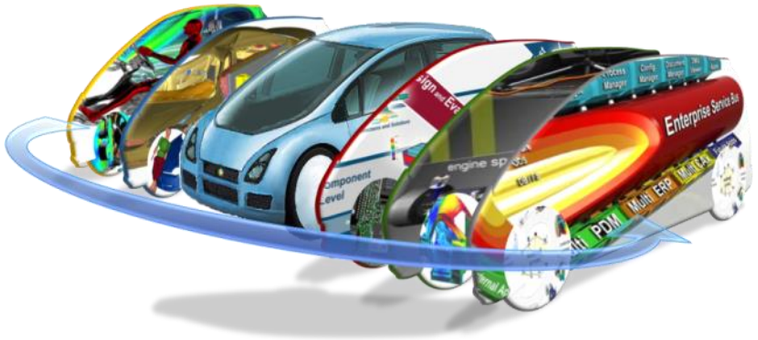
Presentation Session III:

Chair: Sebastian Möller

1. **Mathias Romanczyk (TU Czestochowa):** 02:20 – 02:45
   Comparison between different gas inlet positions in a Venturi gas mixer using ReactingFoam
2. **Mingqiu Wu (TU Graz):** 02:45 – 03:10
   CFD-DEM Studies the Dynamics of Wet Fluidized Beds
3. **Tobias Holzmann (MU Leoben):** 03:10 – 03:35
   Thermal-elastic Stress calculation using the Finite Volume Method

BoF Parallel Sessions:

1. **Differences between OpenFOAM Versions** 03:35 – 04:20
   Chair: Andreas Domaingo
2. **Pre- Postprocessing in OpenFOAM** 03:35 – 04:20
   Chair: Alexander Kospach



VIRTUAL VEHICLE Research Center

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