



OpenFOAM Stammtisch United

20.02.2017 – 21.02.2017 – Universität Kassel

The Department for Fluid Dynamics is pleased to announce that the next OpenFOAM user meeting will be held at the University of Kassel. The event structure will be similar to previous user meetings, and hence without a registration fee. Registration is mandatory since seating is limited.

The provisional time-table is:

Day 1 - Technical Session

Campus Center - Hörsaal 3

09:30 – 10:00	Welcome & Registration
10.00 – 10.20	Advancements in OpenFOAM v1612 / best practice Sebastien Vilfayeau ESI-group
10.20 – 11.00	Numerical Simulation of Bubble Flows using OpenFOAM Dr. Holger Marschall Universität Darmstadt
11.00 – 11.40	Solid mechanics with OpenFOAM Dr. Philip Cardiff University College Dublin
	Lunch break (self-payer)
12.40 – 13.00	Adjoint optimization of conjugate heat transfer applications Stephan Goeke Universität Kassel
13.00 – 13.20	Geometry and solution methods for Adjoint optimisation Dr. Eugene de Villiers Engys
13.20 – 13.40	Discrete adjoint OpenFOAM Markus Towara RWTH Aachen
13.40 – 14.00	Topology Optimization with integrated casting simulation enabling lightweight design suitable for casting Thilo Franke Volkswagen AG
14.00 – 14.20	Free-surface dynamics in Induction Processing Applications Pascal Beckstein Helmholtz-Zentrum Dresden-Rossendorf
	Coffee break
14.50 – 15.10	Recent advancements in block coupled solvers Prof. Hrvoje Jasak Wikki
15.10 – 15.30	Coupling OpenFOAM with discrete methods Prof. Bernhard Peters Université du Luxembourg
15.30 – 15.50	A flux based geometrical Volume-of-Fluid method on unstructured meshes Tomislav Maric TU Darmstadt / sourceflux UG
15.50 – 16.10	OpenFOAM for Process Engineering – Chances and Challenges Dr. Christian Kunkelmann BASF
16.10 – 16.30	Simulation of crystallization processes in polymer melt flows Stefan Descher Universität Kassel
19:00 – open end	Get-together at local restaurant Orangerie, Auedamm 20b (self-payer)

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Contact Information
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☎ +49 561 804-3252



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The provisional time-table is:

Day 2 - Workshop & Training Session

Mönchebergstraße 7 CEC (2400 + 2402/3)

09:00 – 11:00	Finite Volume Discretisation in OpenFOAM Prof. Hrvoje Jasak Wikki	Room 1
	A walkthrough of HELYX-OS, the Open-Source GUI for OpenFOAM (beginner) Paolo Geremia ENGYS SRL	Room 2
11:00 – 12:00	Lunch break (self-payer)	
12:00 – 14:00	An introduction to fvOptions (beginner/advanced) Jens Höpken sourceflux UG	Room 1
	Introduction to solid mechanics with OpenFOAM Philip Cardiff University College Dublin	Room 2
14:00 – 14:30	Coffee break	
14:30 – 16:30	Programming utility applications (beginner/advanced) Tomislav Maric sourceflux UG	Room 1
	Ansa - The advanced CAE pre-processing software for complete model build up Beta CAE	Room 2
16:30 – open end	BOF Session & project discussions	

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Travel & Accommodation

The Venue:

The meeting will be held on the university's main campus, which is located close to the city center. It is on foot only less than 1km away from Kassel's main square (Königsplatz). The venue of day 1 is Moritzstraße 18 (Campus Center), day 2's venue is Mönchebergstraße 7, both located in 34125 Kassel. Please refer to the map below.

By Car

Kassel is served by 3 federal freeways: A7 from north and south, A44 from west and A49 from southwest. The closest freeway exit is Kassel-Nord. Chargeable parking is available in the near vicinity, please refer to the map below.

By Plane

Kassel's own airport is not served by many international flights. We therefore recommend to fly to one of the neighboring airports. The closest are Frankfurt (Germany's major hub served nearly from all over the world), Hannover, Dortmund and Paderborn. Please check www.skyscanner.com. From there Deutsche Bahn operates frequent connections to Kassel-Wilhelmshöhe.

By Train

The train station used for long distance trains is Kassel-Wilhelmshöhe. From here take tram line 1 in direction Vellmar to station Holländischer Platz / Universität. For regional travel you can also use Kassel Hauptbahnhof. You can look up train schedules on www.bahn.de. Timetables and further information on public transport options can be found at www.kvg.de or with the NVV mobile app.

Hotel Information

The following hotels are located more or less close to the city centre:

- Hotel Deutscher Hof
- Hotel Chassalla
- Best Western Plus Hotel
- Stadthotel Kassel
- Hotel Reiss
- Hotel am Rathaus
- City Hotel

You may also check trivago.com or similar providers.

