Friedrich-Alexander-Universität
Technische Fakultät

LSTM Erlangen

FAU

DLES 14

Ercoftac Workshop
Direct & Large Eddy Simulation

ERCOFTAC
European Research Community On Flow, Turbulance And Combustion

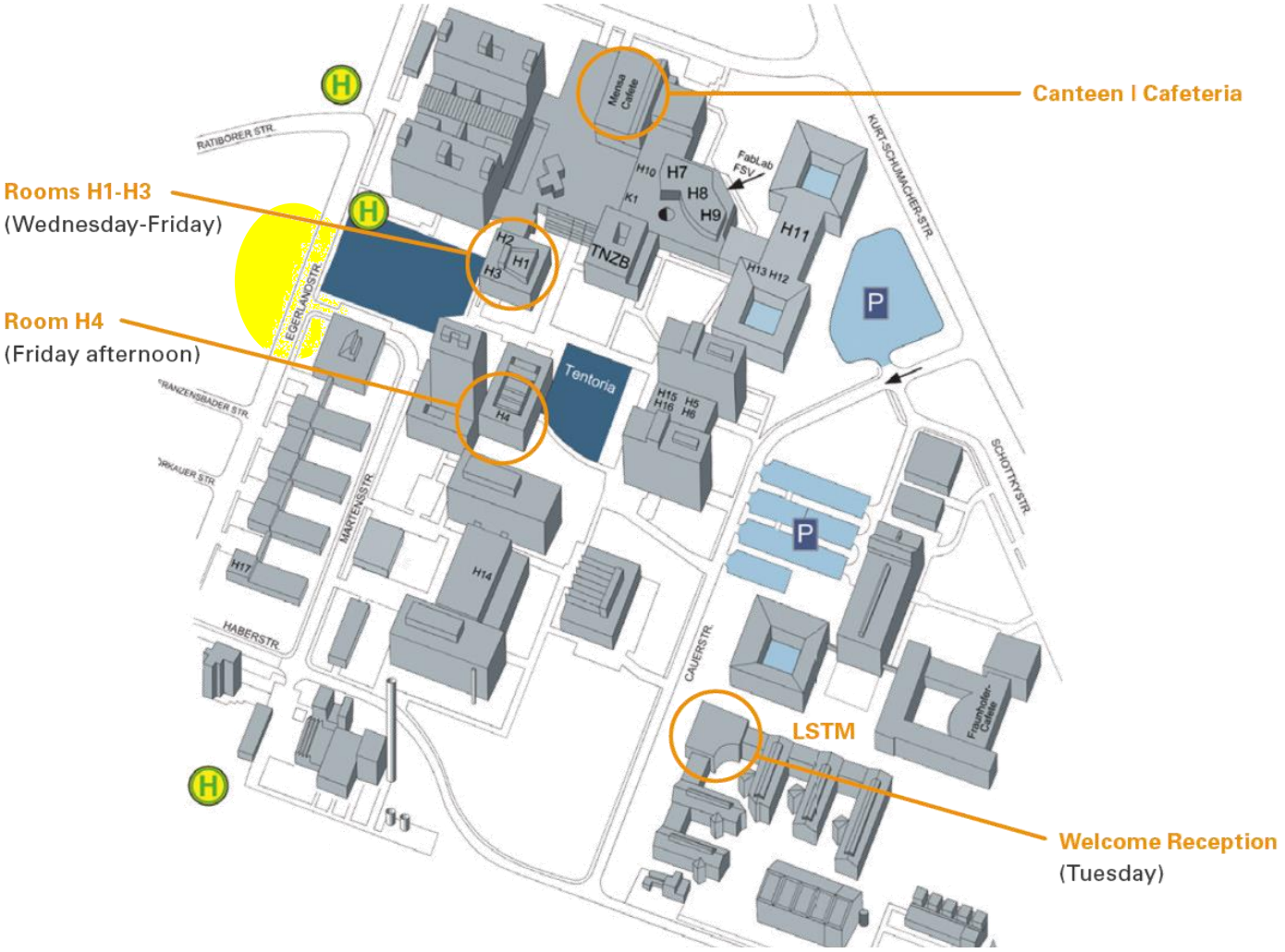
Programme Change this Afternoon

13:30	14:15	Keynote 4	Sylvain Lardeau: Performance, Potential and Pitfalls of Scale-Resolving Simulation in Industry, a Commercial CFD Perspective Chair: M. Manhart		
14:20	15:35	Session 7	Industrial and environmental applications II Chair: E. Stalio	Wall modelling Chair: J. Larsson	Immersed boundary methods Chair: M. Garcia-Villalba
14:20	14:35		Influence of atmospheric stability on wind and thermal conditions in an urban canyon (Ximeng Kang)	On the wall-modeled Large Eddy Simulations of the Windsor body at different yaw angles (Benet Eiximeno Franch)	Application of an immersed boundary method to predict the flow in an experimental wind gust generator: an LES study (Khaled Boulbrachene)
14:35	14:50		Application of Lagrangian stochastic methods for indoor air quality (Harriet Jones)	Formulation of an algebraic Wall-Modelled LES Formulation Suitable for Laminar-Turbulent Transition Prediction (Florian Menter)	Towards Novel Insights in Gas Turbine Aerothermodynamics with Wall-Modeled LES and Immersed Boundary Method (Francesco De Vanna)
14:50	15:05		Influence of free-stream turbulence on real-gas flows through a supersonic turbine cascade (Camille Matar)	Towards investigation of airfoils near stall using spectral element-based wall-modeled large-eddy simulation (Timofey Mukha)	A data-driven IBM method for the analysis of wall-bounded turbulent flows (Marcello Meldi)
15:05	15:20		Boundary layer stability and shock interactions in a high-speed low pressure turbine cascade (Borbouse Maxime)	GALEXI: Scale-resolving simulations of compressible turbulence on GPU-accelerated systems (Marius Kurz)	Feedback-forcing immersed boundaries in spectral element methods: Capabilities and limitations (Lorenz Weber)
15:20	15:35		Lagrangian FDF modeling of nanoparticle synthesis in turbulent spray flames (Andreas Kempf)	FIRST GROUP TO THE BUSSES WITH STEFAN BECKER	An immersed boundary method for neutrally-buoyant particles of arbitrary shape (Maximilian Schenk)
15:40	22:30		Transport to Nürnberg / Social event		

3 busses, the first one leaves from outside (Egerlandstrasse) at 15:30

Orientation

DLES14



Social dinner in Nürnberg:

- Busses leave from Egerlandstrasse after 15:30.
- First tour starts 16:10, Bergstrasse 19, Nürnberg
- Dinner starts 18:30, Tucher Mautkeller
- Transfer back to Erlangen at 22:00

3 busses, the first one leaves from outside (Egerlandstrasse) at 15:30

Social Gathering Tonight

Guided tours through the beer cellars

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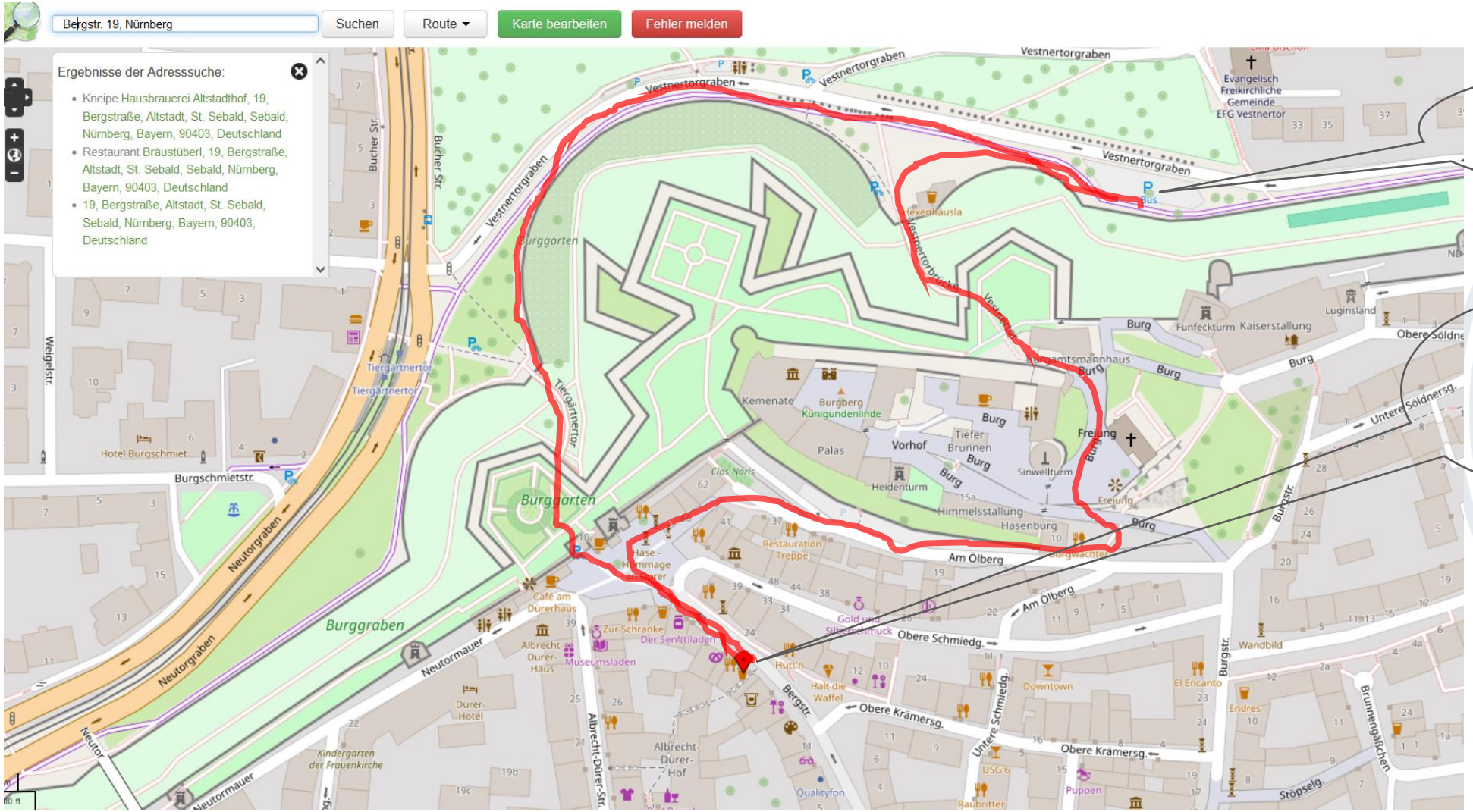
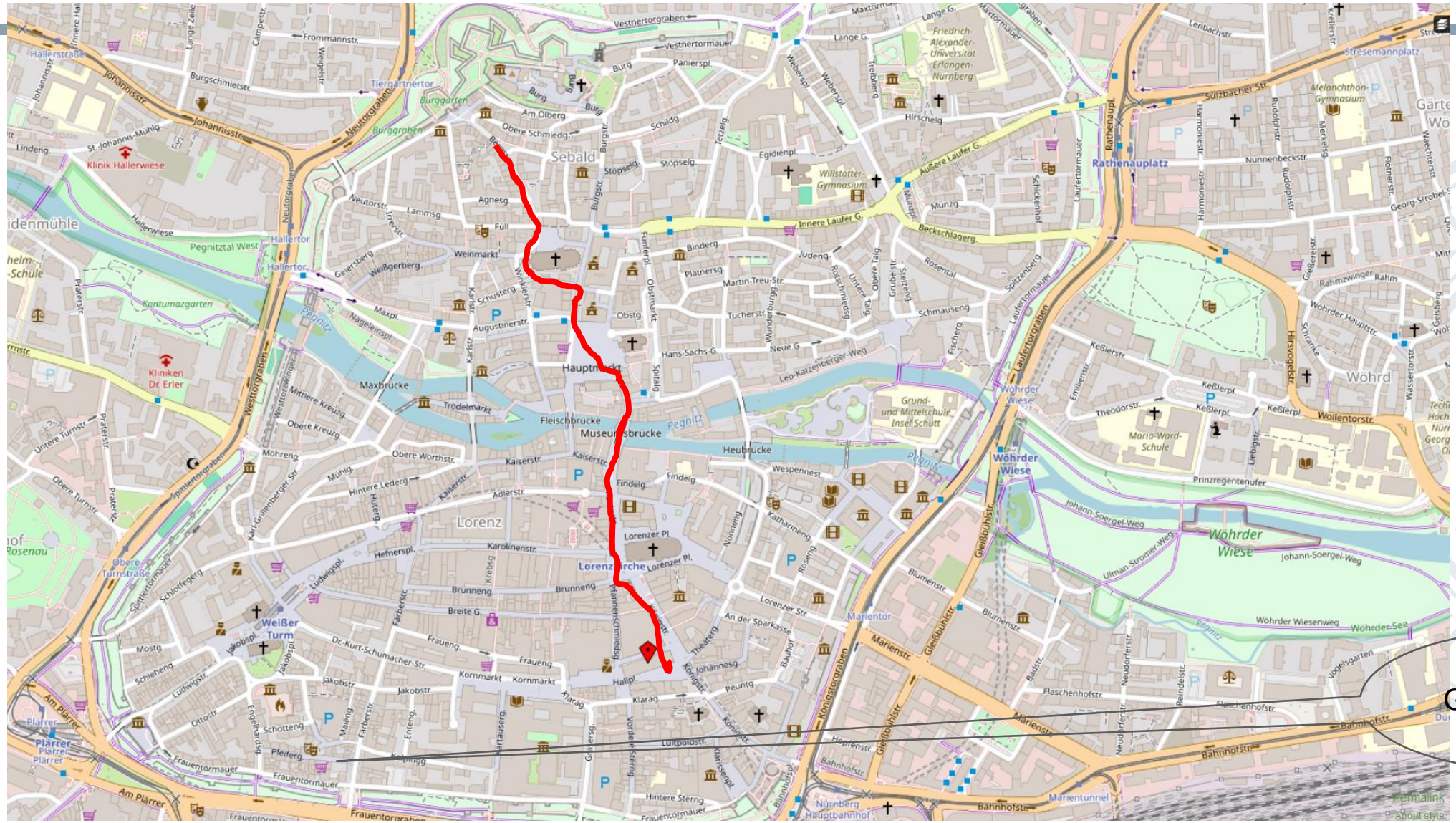


Bus parking

Meeting point
Altstadthof
Bergstr. 19

Foot path

Social Gathering Tonight

Dinner: Tucher Mautkeller, starting 18:30