



Progress Meeting & Trainings (M18)

PM, Day 1 – Monday 5th of July (ESRs, Advisory Board, Beneficiaries & Partners)

Please join the meeting: <https://global.gotomeeting.com/join/756502277>

9:00 – 9:30	Introduction to zEPHYR & Consortium	All
9:30 – 9:50	Presentation of the Advisory Board	L. de Santana & AB members
09:50 – 10:15	Project coordination, trainings & secondments	S. Buckingham
10:15 – 10:45	<i>Coffee Break</i>	
	ESR presentations (15min) and discussion (5min)	
10:45 – 12:30	ESR (#1,2,3,5,6)	
12:30 – 14:00	<i>Lunch Break</i>	
14:00 – 15:30	ESR (#7,8,9,10)	
15:30 – 16:00	<i>Coffee Break</i>	
16:00 – 17:30	ESR (#11,12,13,16)	

PM, Day 2 – Tuesday 6th of July (ESRs, Advisory Board, Beneficiaries & Partners)

Please join the meeting: <https://global.gotomeeting.com/join/454265613>

09:00 – 10:00	T5.1: Benchmark - Large onshore Wind Turbine	L. Botero (UTW), B. Kale (VKI) & S. Oerlemans (SGRE)
10:15 – 11:15	T5.2: Benchmark - Complex terrain wind farm	K. Venkatraman & S. Buckingham (VKI)
11:15 – 12:15	T5.3: Benchmark - Urban canopy	S. Shubham & A. Ianakiev (NTU)
12:15 – 12:45	Open discussion & PM closing	ESRs, AB, Beneficiaries, Partners

Training #4 - Optimization & related techniques

Wednesday 7th July 2021: Machine-learning

Please join the meeting: <https://global.gotomeeting.com/join/278213533>

09:00 - 10:30 Introduction to machine learning and overview of different existing methods

Prof. Anh Khoa Doan, Delft University of Technology, the Netherlands

10:30 - 11:00 Coffee Break

11:00 - 12:30 First hands-on exercises

Prof. Anh Khoa Doan, Delft University of Technology, the Netherlands

12:30 - 14:00 Lunch Break

14:00 - 15:30 Introduction to and high-level overview of neural networks

Prof. Anh Khoa Doan, Delft University of Technology, the Netherlands

15:30 - 16:00 Coffee Break

16:00 - 17:00 Hands-on exercises on using the tensor flow library

Prof. Anh Khoa Doan, Delft University of Technology, the Netherlands

Thursday 8th July 2021: Uncertainty Quantification in CFD-based design

Please join the meeting: <https://global.gotomeeting.com/join/519036749>

09:00 - 10:30 Uncertainty quantification for urban CFD

Prof. Clara García-Sánchez, Delft University of Technology, the Netherlands

10:30 - 11:00 Coffee Break

11:00 - 12:30 Uncertainty quantification using Dakota

Prof. Clara García-Sánchez, Delft University of Technology, the Netherlands

Friday 9th July 2021: Methods for the optimization of cooling systems

Please join the meeting: <https://global.gotomeeting.com/join/813819877>

09:00 - 10:30 Optimization methods applied on ventilation systems for automotive applications

Dr. Manuel Henner, Valeo, France

10:30 - 11:00 Coffee Break

11:00 - 12:30 Optimization methods applied on ventilation systems for automotive applications (cont'd)

Dr. Manuel Henner, Valeo, France

12:30 - 14:00 Lunch Break

14:00 - 16:00 Introduction to Research Data Management

Prof. Christophe Schram, von Karman Institute for Fluid Dynamics, Belgium

Monday 12th July 2021: Evolutionary algorithms and adjoint-based methods

Please join the meeting: <https://global.gotomeeting.com/join/998674365>

09:00 - 10:30 Shape optimization in Fluid Mechanics using Gradient-based Methods

Prof. Kyriakos Giannakoglou, National Technical University of Athens, Greece

10:30 - 11:00 Coffee Break

11:00 - 12:30 Shape optimization in Fluid Mechanics using Gradient-based Methods – Industrial Applications

Dr. Evangelos Papoutsis-Kiachagias, National Technical University of Athens, Greece

12:30 - 14:00 Lunch Break

14:00 - 15:30 Optimization using Evolutionary Algorithms – Industrial Applications

Dr. Varvara Asouti, National Technical University of Athens, Greece