



Topical Course on Structural Optimization: Algorithms and Applications

Day 1, Thursday May 25, 2023

Location: Pulse Hall 1, Landbergstraat 19, Delft
(Entrance is near the entrance of the Faculty of Industrial Design)

Handouts and exercise files will be provided at the start of the course.

Program:

When	What	Where
9:45-10:15	Walk-in & Welcome	Pulse Hall 1
10:15-11:00	Introduction to optimization Pascal Etman	Pulse Hall 1
11:15-12:00	Gradient-based algorithms Pascal Etman	Pulse Hall 1
12:00-13:00	Lunch break	Pulse Hall 1
13:00-14:00	Computer exercise*	Pulse Hall 1
14:00-14:45	Bayesian Optimization part 1 Jos Havinga	Pulse Hall 1
15:00-15:45	Bayesian Optimization part 2 Jos Havinga	Pulse Hall 1
16:00-17:00	Computer exercise*	Pulse Hall 1

*Have Matlab with the Optimization Toolbox available!



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Day 2, Friday May 26, 2023

Location: Lecture Room D / Room H,
Faculty of Mechanical, Maritime and Materials Engineering,
Mekelweg 2, Delft

<https://www.tudelft.nl/en/student/faculties/3me-student-portal/services/3me-building-opening-hours>

Program:

When	What	Where
9:45-10:15	Walk-in & Welcome	Room D
10:15-11:00	Sensitivity analysis part 1 Matthijs Langelaar	Room D
11:15-12:00	Sensitivity analysis part 2 Matthijs Langelaar	Room D
12:15-13:00	Lunch break	Room H
13:00-14:00	Computer exercise*	Room H
14:00-14:45	Topology optimization part 1 Stijn Koppen, Dirk Munro	Room H
15:00-15:45	Topology optimization part 2 Stijn Koppen, Dirk Munro	Room H
15:45-16:45	Computer exercise*	Room H
16:45-17:00	Evaluation https://engineeringmechanics.nl/evaluation/	Link EM website

*Have Matlab with the Optimization Toolbox available!