

# Topology Optimization

Seminar & Workshop · 12–13 March 2026

**12**

MARCH - SEMINAR  
Paris 75015

**13**

MARCH - WORKSHOP  
Gif-sur-Yvette

FEA. SIMP. Homogenization · Crisps boundary methods

DAY 1

## Seminar & Presentations

12 MARCH 2026

- CentraleSupélec, Campus Paris — 95 rue Falguiere, 75015 Paris | 12 PM – 4:30 PM

12:00 – 12:45

Buffet Reception

12:50 – 13:30

Workshop Introduction &amp; Overview of Topology Optimization

13:30 – 16:30

Academic &amp; Industrial Presentations

16:15 – 16:30

Conclusions &amp; Announcements for Day 2

## Speakers

**Gregoire Allaire***Professor of Mathematics, Ecole Polytechnique · CMAP***Olivier Brun***PhD, Research Engineer · Siemens***Paolo Casco***Application Engineer · COMSOL***Nepomuk Krenn***PhD Student · RICAM Laboratory, Linz, Austria*

## Practical Information

**Equipment**

Please bring your own laptop

**Requirements**

Internet connection &amp; web browser · No installation needed (everything online)

**Tools**

Python | NGSolve | Jupyter Notebook

**Website**[sites.google.com/view/seminarwgme/worskhop-1](https://sites.google.com/view/seminarwgme/worskhop-1)

DAY 2

## Tutorials &amp; Hands-on

13 MARCH 2026

- CentraleSupélec (MC101, Eiffel) — 3 Rue Joliot Curie, 91190 Gif-sur-Yvette | 8 AM – 5 PM

08:00 – 08:30	Coffee Reception
08:30 – 10:30	<b>Tutorial 1 · Direct and Adjoint Problems</b>
10:30 – 11:00	Coffee Break
11:00 – 12:00	<b>Tutorial 2 · SIMP Methods</b>
12:00 – 13:30	Lunch
13:30 – 15:00	<b>Tutorial 3 · Homogenization</b>
15:00 – 15:30	Coffee Break
15:30 – 17:00	<b>Tutorial Bonus · Crisps boundary methods</b>
17:00	Conclusion & End of Day

**CentraleSupélec**  
Université Paris-Saclay

**GDR SEEDS**  
Groupement de Recherche CNRS

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[sites.google.com/view/seminarwgme](https://sites.google.com/view/seminarwgme)

Workshop on Geometry &  
Mathematics for Engineering