



✓ Tuesday October 13th

10.00-12.00 Session 1

Welcome to Swedish Graphene Forum and 2D-TECH Center Days

Elisabeth Sagström-Bäck, SIO Grafen, Samuel Lara-Avila, 2D-TECH, Maria Messing, Chalmers

Going green with graphene-demonstrator

Mohamed Loukil, Linköping University

Electrochemical impedance spectroscopy with resistive electrodes: A new platform for biosensing and medical applications

August Yurgens, Chalmers

Health monitoring in airplanes

Per Hallander, Saab, Carolyn Oddy, GKN Aerospace

Graphene enabled structural wiring in composite materials for sustainable transport

Tommy Öhman, RISE

Structural battery composites with improved power performance

Leif Asp, Chalmers

12.00-13.00 Lunch and mingle, 2D material exhibition.

13.00-15.00 Session 2

Laser-assisted manufacturing of a catheter with a graphene-based antibacterial surface

Martin Lovmar, Wellspect

Towards intelligent based graphene-based composites

Roland Kadar, Chalmers

Demonstrating a new thermo-chemical surface treatment for corrosion and wear resistance

Martin Hansén, Tribonex

2D material based thermal management for electronics and battery cooling – Examples of commercialisation

Johan Liu, Chalmers

Strategic research area Materials 4.0 Sweden

Lars-Erik Wernersson, Lund University

15.00-15.30 Fika and mingle, 2D material exhibition.

15.30-17.00 Session 3

2D materials for energy storage: From electrode processing to device performance

Jinhua Sun, Chalmers

Graphene-enabled semiconductor solutions for the high-tech industry

Arne Quellmalz, In2GreatMaterials

2D Graduate Network

Jens Eriksson, Linköping University

2D-TECH PhD Award

Prize-winning ceremony

SIO Grafen Award to best Master thesis on 2D materials 2026

Prize-winning ceremony

17.30 Dinner, starting with a mingle.

Wednesday October 14th

09.30-12.00 Session 4

Invited presentation: Research and Industrial perspective on 2D materials

Lisa Scullion, Graphene Engineering Innovation Centre, UK

LCA tool for graphene

Karin Persson, RISE

Graphene in the automotive industry

Arian Kamal, Volvo Cars

Scalable fabrication of efficient MoS₂-based gas sensors for air quality monitoring

Timur Shegai, Chalmers and Smena Sense

prGO for power grid components

Yusuf Mulla, RISE

Thermally conducting paper substrates

Reverant Crispin, Linköping University

The Graphene Flagship

Maria Abrahamsson, Chalmers

12.00-13.00 Lunch and mingle, 2D material exhibition.

13.00-15.00 Session 5

2D materials and van der Waals heterostructures for non-volatile memories

Saroj Dash, Chalmers

Risk assessment for novel materials – graphene related material as an example

Håkan Tinnerberg, Sahlgrenska University Hospital

Growing 2D material companies

2D-fab, Bright Day Graphene, Grafren, Grafoam, LayerLogic and Smena

The next years for the Swedish 2D material ecosystem

Elisabeth Sagström-Bäck, SIO Grafen, Samuel Lara-Avila, 2D-TECH

15.00-17.00 Study visit at Chalmers Nanofactory Laboratory, for those who registered.

