

# Swedish Graphene Forum October 17-18<sup>th</sup> 2023



## October 17<sup>th</sup>

*Venue: Medicon Village, Scheeletorget 1 Lund*

10.30 Pre-registration opens

11.00 Next step 2DM Sweden – ecosystem workshop

12.00 Lunch, mingle and registration

13.00 Session 1 begins

- Pluto Conductive, Christian Werdinus, Proveda
- Integrated Graphene coated Glass Fibres for Multifunctional Composites (INTEGRAPH), Mats Bergwall, RISE
- 2D-electrically conductive adhesive for low-cost flexible electronics and thermoelectrics (2D-ECA), Reverant Crispin, Linköping University
- Boron nitride enhanced cement-based coating 2.0, Lars Nilsson, Lanark
- Novel graphene enhanced cooling technology for ICT 5G applications, Hongfeng Zhang, SHT Smart High Tech
- Graphene enhanced immersion cooling for data centers, Emir Bekric, Smart High Tech

15.00 Coffee and mingle

15.30 Session 2 begins

- Standardisation, a road to graphene market, Åsalie Hartmanis, Chalmers Industriteknik
- Easing the path for graphene-based product innovation: mapping of testbeds and infrastructure, Ting-Yang Nilsson, RISE
- Development of methods for exposure and risk assessment for occupational handling of graphene, Håkan Tinnerberg, Sahlgrenska University Hospital
- Test-bed: Roll-to-Roll coating of graphene composites, Nicklas Blomqvist, Mid Sweden University
- Fiber optics with graphene, Åsa Claesson, RISE

16.30 Innovation Competition – pitch finale

17.30 Sessions end day 1

Time for hotel check-in

18.30 Dinner at Grand Hotel Lund, Bantorget 1, Lund

**October 18<sup>th</sup>**

*Venue: Medicon Village, Scheeletorget 1 Lund*



08.00 Coffee available

08.30 Session 3 begins

- Graphene composites for solvent-resistant rubbers (DuraGraf-R), Carmen Cobo Sanchez, RISE
- Graphene coated aluminum anode enhancing aluminum battery performance, Shahrzad Arshadi Rastabi, Mid Sweden University
- Green synthesis of 2D graphene nanocomposite for eco-friendly lubricants, Jun Zhau, Luleå technical university
- Transparent graphene-based coatings for enhancement abrasion and UV-resistance in security applications, Josué Mena, Tenutec
- High-Performance Long-Wavelength Graphene/Silicon Schottky Photodetectors for Telecommunication, Omid Habibpour, Chalmers
- Laser-assisted manufacturing of graphene-based antibacterial surfaces, Martin Lovmar, Wellspect
- Graphene-functionalized wood fiber composite for heat dissipating cases in personal electronics, Ulises Méndez Romero, Tenutec
- Prototype of a measurement system using graphene arrays as a quantum resistance standard, Hans He, RISE

09.30 Coffee and mingle

10.00 Session 4 begins

- LCA prototype tool for graphene (GRALCA), Tomas Rydberg, IVL Svenska Miljöinstitutet
- Swedish Sustainable Graphene and 2D Graduate Network, Elisabeth Sagström-Bäck, SIO Grafen and Jens Eriksson, LiU
- Winners of SIO Grafen's Innovation competition 2022  
Patrik Björn, SMENA Catalysis and Josué Mena, Tenutec
- Announcement of winner of Master Thesis of the year in 2D materials
- Announcement of winners in SIO Grafen's Innovation Competition 2023
- Anne Lidgard, Vinnova

12.00 Lunch and mingle closes the conference

12.45 Buses leave for study visit at Alfa Laval (for those who have signed up)