



 SIO GRAFEN

Welcome to the workshop

Manufacturing of graphene based composites!

WHEN: 21-22 MARCH 2018

WHERE: SWEREA SICOMP, Fibervägen 2, Öjebyn (Piteå)

The workshop focuses on the existing knowledge in how different processes and production methods affect the final properties of graphene composites and how these properties can be affected by varying parameters in the production.

The results from the literature study on production methods for composites will be presented. The workshop is free of charge and include 2 lunches and coffee.

See the full programme on page 2.

Some of the speakers



GUAN GONG

Senior Scientist
Materials and Manufacturing
Swerea SICOMP



VINCENZO PALERMO

Professor
Graphene Composite materials,
Chalmers and vice-director,
Graphene Flagship



NAZANIN EMAMI

Professor
Department of Engineering
Science and Mathematics
Luleå University of Technology

Preliminary Programme

Register
latest
16 March!

Wednesday 21 March

- 12.00 Lunch**
- 13.00 Welcome and introduction**
Helena Theander, SIO Grafen and Patrik Fernberg, Swerea SICOMP
- 13.15 Graphene Composites - using 2-dimensional materials in a 3-dimensional world**
Vincenzo Palermo, Chalmers/Graphene Flagship
- 13.45 Results from the literature study "Graphene modified polymeric composites"**
Guan Gong, Swerea SICOMP
- 14.30 Coffee**
- 15.00 Design and manufacturing of Graphene Oxide reinforced high performing thermoplastics hybrid composites for Tribological applications**
Nazanin Emami, Luleå University of Technology
- 15.20 Short presentation from SIO Grafen composite projects**
Roland Kádár, Chalmers, together with representatives from GKN
- 16.00 Discussions. Discussion groups moderated by:**
- Graphene composite for mechanical strength
 - Electric conductivity
 - Thermal conductivity
 - Barrier
- 17.00 End of day 1**
- 18.00 Dinner (optional) at Restaurant 1609, Piteå Stadshotell, Olof Palmes Gata 1, Piteå**

Thursday 22 March

- 8.30 Study visit - Testbed for future production of light weight products with smart material solutions**
A testbed with two nodes located in Piteå and Olofström is under development within the LIGHTest project. What is a testbed then? The LIGHTest testbed is a centre where materials can be tested and characterized, production methods can be developed or improved and sustainable material process methods are in focus. The node in Piteå will invest in equipment for research in high volume production of composites and Olofström will focus on forming of metals together with joining of mixed materials materials to larger structures.
- 9.30 Split up in different discussion groups (including coffee)**
- 11.00 Summary of group discussions in and way forward**
- 12.00 Lunch**

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