

Preliminary program: NanoMatchmaking seminar

Raddison Blu Royal Garden Hotel, 13.11.2012, 09.30-16.00

10:00 Welcome

Kay Gastinger, NTNU NanoLab
Ragnar Fagerberg, SINTEF Materials and Chemistry

10:15 NANO2021

Dag Høvik - The Research Council of Norway
*NANO2021 – RCN's Programme on Nanotechnology, Nanoscience,
Microtechnology and Advanced Materials*

10:45 Short presentations Industry

Keith Redford, Conpart as
Polymer particles in microelectronics

Gaute Juliussen , Nordic Graphite Ltd
*Nordic Grahite Ltd. - an emerging Nordic producer of natural flake
graphite targeting evolving energy strage markets.*

Jon Herman Ulvensøen, poLight as
Beat the Human eye

Ketil Bø, Trollhetta as
Anti fouling of surfaces

Eirik Ruud, Reactive Metal Particles
*Cost-effective production of metallic nanoparticles - challenges, opportunities
and applications*

Morten Frøset, CrayoNano as
New hybrid material based on semiconductor nanowires on grapheme

Mogens L. Martiesen, n-Tec
Production and applications of carbon nanomaterilas

11:40 Short presentations Infrastructure

Kay Gastinger, NTNU NanoLab, Ole Henrik Gusland, HiVe, Fabrice Lapique, SINTEF
NorFab- the national infrastructure for Micro- and Nanofabrication

Ton van Helvoort , Department of Physics, NTNU
New transmission electron microscopy infrastructure: NorTEM

John Walmsley, SINTEF Materials and Chemistry
Characterising materials and processes at the nanometre-scale

Maximilian Erlbeck, TiMiNi Student association Nanotechnology
Nanotechnology - Master study program at NTNU

12:15 Networking lunch

13:00 Short presentations NTNU and SINTEF

Afroz Barnoush, Dept of Engineering Design and Materials, NTNU

Novel in situ testing methods to gain a better insight into the technical problems

Justin Wells, Dept of Physics, NTNU

Inverted semiconductors: device applications in spintronics?

Eugenia Sandru, Dept of Chemistry, NTNU

Size and shape-controlled synthesis of nanoparticles as gene carriers

Tomasz Ciesielski, Dept of Biology, NTNU

Possible impacts of engineered nanoparticles on the marine environment

Arne Brataas, Dept of Physics, NTNU

Theory of nano-electronics and nano-magnetism

Zhiliang Zhang, Dept of Structural Engineering, NTNU

Nanotechnology for oil and gas industry

Ursula Gibson, Dept of Physics, NTNU

Molecular imprint polymers for medical sensor applications

De Chen, Dept of Chemical Engineering, NTNU

Synthesis and applications of graphene and carbon nanotube hybrids

Thomas Tybell, Dept of Electronics and Telecommunication, NTNU

Possibilities for thin film deposition by physical methods

Erik Wahlström, Dept of Physics, NTNU

Magnonics and spintronics

Øyvind Halaas, Dept Cancer Res and Mol Medicine, NTNU

Tissue-on-a-chip

Fabrice Lapique, SINTEF MiNaLab

Hilde Lea Lein, Dept Materials Science and Engineering, NTNU

The Inorganic Materials and Ceramics Research Group - who we are and what we are doing

Matthew Bohn, Dept of Electronics and Telecommunication, NTNU

Terahertz and Ultrafast Optics at NTNU

Ingeborg Kaus, SINTEF Energy Conversion and Materials

Nano-materials in energy applications

Svein Sunde, Dept Materials Science and Engineering, NTNU

Batteries, fuel cells, and all that. Electrochemical Energy Technology at NTNU

15:00 Mingling and Networking

16:00 End of program

Speaker information

The speakers in short presentation sessions have been allocated **max. 7 minutes** each (including change of speakers). The program is thus rather tight with consecutive presentations and strict control of time. All presentations should be given in English.

Please include in your presentation:

- a short presentation of yourself and your research/company activities within nanotechnology
- Which competence can you offer / which expertise are you seeking?

We ask you to prepare and send max. 6 slides for your presentation to Berit Myhre (berit.myhre@ntnu.no) by 12:00 on Monday the 12th of November.

We will then assemble the presentations in one file on a common PC to save time.