



VTT Safety of Nanocellulose workshop 2010

30th September 2010, Espoo, Finland

Address: Tekniikantie 2, Espoo

In the midst of radical change and renewal, the Finnish forest sector is seeking fresh business opportunities through break-through technologies and product concepts.

The field of nanofibre technology is a key area of interest. Cellulose nanofibres are being used to produce new types of composite materials from which entirely new applications and products can be developed.

One of the challenges in the research is how to produce large quantities of nanofibrils of consistent quality, but other significant issues that need to be addressed concern the characterization, safety, human toxicity, ecotoxicity and risk assessment of these nanomaterials.

The aim of this VTT workshop is to address some of these issues and to provide a forum for open discussion with leading experts at VTT and from around the world.

The workshop is free, but places are limited.

Registration

Please register by **20.9.2010** by either completing the TAPPI conference registration form or by email to: john.kettle@vtt.fi

Additional information

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Agenda:

- 8.00 - 8.30 Registration, coffee
- 8.30 - 10.10 **Session I: Chairman, Roland Grafström**
 - Understanding the potential hazards of engineered nanomaterials to human health, *Bengt Fadeel, Karolinska Institutet, Stockholm, Sweden*
 - Perspective from Finnish Centre for Nanocellulosics Technologies, *Pia Qvintus, VTT*
- 10.10 - 10.40 Coffee
- 10.40 - 12.00 **Session II: Chairman, Roland Grafström**
 - Toxicity of Nanocellulose, *Harri Alenius, FIOH, Helsinki, Finland*
 - Detection, identification, measurement and collection of nanoparticles in the gas phase, *Ulrika Backman, VTT*
 - Perspective from Canada, *Lori Sheremeta, NINT, Edmonton, Canada*
 - Discussion Session
- 12.00 - 12.45 Lunch