



NEW MATERIAL SOLUTIONS FOR COMPOSITE INDUSTRY

Seminar

26th – 27th January 2011

The Cultural Center of Kemi
Kemi, Finland

ANACOMPO



NAKOMATE



Material Testing of Nanocomposite Structures

Wednesday 26th January

- 09:30 Visit to laboratories of Kemi–Tornio University of Applied Sciences
(Address: Compus house, Tietokatu 1)
- 11:00 Registration and lunch
- 12:00 Opening the seminar *Dr. Reijo Tolppi,
Kemi–Tornio University of
Applied Sciences*
- 12:10 ANACOMPO and NAKOMATE projects for
development of composites using bio–based
and nano–reinforced materials *Dr. Egidija Rainosalo, Ketek Oy*

Session 1 Biobased materials

Chair Dr. Pekka Oinas, Ketek Oy

- 12:30 Production of fully bio–based fiber composite
sandwich panels and introduction of a core
material made from nano cellulose *Tord Gustafsson
APC Composite AB, Sweden*
- 13:00 Bio–composites.
Technologies and applications *Dipl.–Phys. Michael Carus,
Nova– Institut, Germany*
- 14:00 Coffee break

Session 2 Nanobased materials in composites

Chair MSc. Mirja Andersson, Tampere University of Technology

- 14:30 High– resolution X–ray computed tomography
for quality control of composite materials *Dr. André Egbert,
GE Sensing & Inspection
Technologies GmbH, Germany*
- 15:30 Nanocomposite materials *Dr. Patrik Fernberg, Swerea
SICOMP AB*
- 16:30 Next generation airframe technologies based
on nano–engineered composite materials *Pontus Nordin, SAAB*
- 17:00 End of the first seminar day
- 19:00 Visit to Kemi Snow Castle (<http://www.snowcastle.net/en/>)
- 20:00 Dinner at Puistopaviljonki



Thursday 27th January

Session 3 Natural materials in composites

Chair Dr. Robers Joffe, Luleå University of Technology

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| 08:30 | Material testing | <i>Taneli Raivio, Zwick Roell AG</i> |
| 09:00 | High performance flax reinforced composites. Solutions for various applications | <i>Francois Vanfleteren, Lineo, Belgium</i> |
| 09:30 | Optical measurement in applications for testing of composite specimens and structures | <i>Johan Lundell, Cascade Computing Ltd</i> |
| 10:00 | Bio-based Envirez polyester resins – properties and applications | <i>Tuula Mannermaa, Ashland Oy</i> |
| 10:30 | Coffee break | |

Session 4 Applications of bio and nano resins

Chair Dr. Patrik Fernberg, Swerea SICOMP AB

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| 11:00 | New EpoBiox bio resin
New Pinno Natura wood defence
and Taiga extract for polyester gel-coats | <i>Antti Valtakari
Amroy Europe Oy/
Taiga Coatings Oy</i> |
| 11:30 | Experience of using nanoresins in boat production | <i>Håkan Sundelin,
Baltic Yachts Oy, Finland</i> |
| 12:00 | Nanocoatings for marine applications | <i>Pasi Keinänen
Advanced Marine Coatings Ltd,
Norway</i> |
| 12:30 | End of the seminar | |
| 12:30 | Lunch | |
| 13:45 | Visit to laboratories of Kemi–Tornio University of Applied Sciences | |

Seminar language: English

Seminar fee: 110 Euro (+ VAT 22%)

Seminar place: The Cultural Center of Kemi
Address; Marina Takalon katu 3

Registration: Until 19.1.2011 by email to irja.ruokamo@micropolis.fi
with following information:
– Your name and company address for invoice
– Participation in laboratory visit YES/NO. If YES, which date?
– Participation in the evening program 26th January

Accommodation: Hotel Cumulus
Address: Hahtisaarenkatu 3 Tel. +358 (0)16 22 831
http://www.cumulus.fi/hotellit/kemi/en_GB/kemi/
When booking refer to the code: Kemi 2011

More information: Irja Ruokamo, Micropolis Oy Tel. +358 50 354 8200
<http://www.micropolis.fi/en/nakomate-project/>

Seminar organizers:



TAMPERE UNIVERSITY OF TECHNOLOGY



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