



The 7<sup>th</sup> Biennial Johan Gullichsen Colloquium  
**FOREST BIOMASS – QUO VADIS?**

Thursday, 19 November 2009, DIPOLI, Espoo, Finland

**Preliminary program**

<b>08.00</b>	<b>Registration</b>	<b>Session II</b>
08.30	Opening of the Colloquium, <i>Pirkko Molkentin-Matilainen</i>	<b>Product Diversity – a Necessity!</b> Chairman: <i>NN</i>
08.35	Opening speech, <i>Johan Gullichsen</i>	13.10 Ethanol production of hydrolyzed galactoglucomannan extracted from spruce wood with pressurized hot water, <i>Kaisu Leppänen, Veikko Kitunen, Peter Spetz, Heikki Ojamo, Olli Byman, Keijo Pennanen and Hannu Ilvesniemi</i>
09.00	Keynote speech, <i>Rainer Häggblom</i>	
<b>Session I</b>		
	<b>Resources and Infra-structure</b> Chairman: <i>NN</i>	
09.30	Estimating Availability and Use of Wood-based Fuels in Finland in 2020, <i>Kalle Kärhä, Juha Elo, Perttu Lahtinen, Tapio Räsänen, Markus Strandström and Heikki Pajuoja</i>	13.45 Higher degree of softwood resource utilization, <i>Katarina Karlström and Mikael E. Lindström</i>
10.05	SilvaSat concept - Infrastructure for Global Forest Resources Survey as a Basis for Sustainable Forest Policies, <i>Tuomas Häme and Ilkka Norjamäki</i>	14.25 Commodity Chemicals from Forest Biomass, <i>Minna Rakkolainen and Adriaan van Heiningen</i>
<b>10.40</b>	<b>Coffee break</b>	<b>15.00</b> <b>Coffee break</b>
11.00	Prospects for Energy Wood Supply in Finland: Forest Owners' Aims and Perceptions, <i>Anna-Kaisa Rämö, Terhi Latvala and Harri Silvennoinen</i>	<b>Session III</b> <b>Totally New Products</b> Chairman: <i>Panu Tikka</i>
11.35	Towards wood based biorefineries - The critical importance of size, <i>Sampsa Laakso, Heikki Hassi, Panu Tikka and Eric Enqvist</i>	15.20 Novel products from nanocellulose - huge application potential of tiny fibers, <i>Antti Laukkanen</i>
<b>12.10</b>	<b>Lunch break</b>	15.55 Producing Lactic Acid from Larch in a Kraft Mill, <i>Hanna Hörhammer, Sara Walton and Adriaan van Heiningen</i>
		16.30 Hemicelluloses from Biomass to Applications, <i>Riku Talja, Agneta Fuhrmann, Björn Krogerus and Mika Vähä-Nissi</i>
		17.05 Closing remarks and closing of the colloquium, <i>Panu Tikka</i>
		<b>19.30</b> <b>PI Autumn Meeting Dinner and the Johan Gullichsen Award Ceremony, Dipoli</b>

On 20 November 2009 Autumn Meeting of Paper Engineers' Association (language mainly Finnish).



## General Information

**Colloquium venue:** DIPOLI Congress Centre, Otakaari 24, Otaniemi, Espoo, Finland. [www.dipoli.tkk.fi](http://www.dipoli.tkk.fi)  
**Registration fee** 395 EUR. Dinner 55 EUR. Fee for students 10 EUR. Dinner for students 10 EUR (VAT 0%).

**Registration by November 4, 2009.** The registration fee will be charged afterwards. Cancellations latest by November 4, 2009. After that 50% of the fee will be invoiced. Full fee if cancellation is not done at all.

**Hotel accommodation:** Radisson Blu Hotel Espoo, Otaranta 2, 02150 Espoo, Finland. Standard Class single room 88 EUR, double room 98 EUR, rates include buffet breakfast and sauna. Reservations by November 4, 2009. Tel. +358 20 1234 700, fax +358 20 1234 740, e-mail: [reservations.finland@radissonblu.com](mailto:reservations.finland@radissonblu.com). Please quote the allotment code "PAP1811" when making a booking. Payment by cash or credit card. For other hotels, see [www.meethelsinki.fi](http://www.meethelsinki.fi).

**For more information:** Paper Engineers' Association (PI), telephone +358 9 132 6688, fax +358 9 630 365, e-mail: [irmeli.hannula@papereng.fi](mailto:irmeli.hannula@papereng.fi). Registration also on the internet: [www.papereng.fi](http://www.papereng.fi).



## Registration Form

The 7<sup>th</sup> Johan Gullichsen Colloquium, DIPOLI Congress Centre, Otakaari 24, Otaniemi, Espoo, Finland

Last name ..... First name .....

Organisation/Company ..... Title .....

Invoicing address .....

..... Country .....

E-mail: .....

Phone ..... Telefax .....

Colloquium registration, 395 EUR   
Dinner, 55 EUR

Colloquium registration, Student, 10 EUR   
Dinner, Student, 10 EUR

Date .....

Signature .....



Please return by November 4, 2009, to  
Paper Engineers' Association, P.O. Box 118, FI-00171  
Helsinki, Finland. Fax +358 9 630 365, or  
register on the internet [www.papereng.fi](http://www.papereng.fi).