

COST FP0901 Final meeting “Biorefinery analytics – Outcomes from COST Action FP0901”

Program

Åbo Akademi University, Department of Chemical Engineering (aud. Ringbom,
Axelia building), Biskopsgatan 8, Åbo, Finland

Tuesday 17th of September, 2013

08:30-09:00	<ul style="list-style-type: none"> Registration 	Chair: S. Willför
09:00-09:10	<ul style="list-style-type: none"> Welcome and practicalities 	Host: S. Willför
Session 1-		
09:10-09:30	<ul style="list-style-type: none"> S. Willför: Overview of activities and results of FP0901 	Chair: A. Potthast
09:30-10:00	<ul style="list-style-type: none"> R. Alén: Analytical needs for biorefinery 	
10:00-10:30	<i>COFFEE BREAK</i>	
Session 2 -		
10:30-11:15	<ul style="list-style-type: none"> C. Crestini/M. Orlandi/E. Sjöholm: Overview of WG and RR activities 	Chair: A. Sundberg
11:15-11:40	<ul style="list-style-type: none"> D. Argyropoulos: Towards thermoplastic lignin polymers; Synthesis and analysis 	
11:40-12:05	<ul style="list-style-type: none"> H. Lange: On the implications of calibration techniques and detector systems on GPC-based analyses of lignin 	
12:05-12:30	<ul style="list-style-type: none"> C. Crestini: On the determination of lignin structure 	

12:30-14:00	<i>LUNCH</i> <i>NOTE that MC meeting overlaps!</i> <i>(MC delegates should get their food first)</i>	
13:15-14:00	<i>MC meeting, part 1</i>	Chair: S. Willför

Session 3 -

14:00-14:30	<ul style="list-style-type: none"> • M. Hupa: "Combustion analysis" 	Chair: T. Tamminen
14:30-15:00	<ul style="list-style-type: none"> • B. Holmbom: Evolution of analytical techniques for extractives – A personal review 	
15:00-15:25	<ul style="list-style-type: none"> • E. Korotkova: Influence of aqueous alkali concentration on extraction of lignin from spruce wood 	
15:25-15:50	<ul style="list-style-type: none"> • F. Bouxin: Isolation of high quality lignin as a by-product from ammonia percolation pretreatment of poplar wood 	
15:50-16:15	<ul style="list-style-type: none"> • H. Örberg: Fractioning of wood biomass as a method to increase raw material value for fermentation 	
16:15-17:00	<i>POSTER SESSION 1 (7 FP0901 posters + ÅA)</i> <i>and COFFEE</i>	

Session 4 -

17:00-17:30	<ul style="list-style-type: none"> • K. Granholm: Metal ions in wood and pulp 	Chair: S. Willför
17:30-18:00	<ul style="list-style-type: none"> • Questions to the Scientific Officer/COST office (M. Langbein) 	
18:00-...	<ul style="list-style-type: none"> • Get-Together and snacks 	

Wednesday 18th of September, 2013

08:30-09:00	<ul style="list-style-type: none"> • Registration 	
09:00-09:45	<i>MC meeting, part 2</i>	Chair: S. Willför
09:00-09:45	<i>Possibility for guided tours in the premises of the Department of Chemical Engineering (CE)</i>	Personnel from CE
9:45-10:15	<i>COFFEE BREAK</i>	
Session 5-		
10:15-10:35	<ul style="list-style-type: none"> • J. Gravitis: Biorefinery – Pros and cons from Cost Action FP0901 	Chair: M. Orlandi
10:35-10:55	<ul style="list-style-type: none"> • M. Alma: Liquefaction of scots pine wood by using bio-oil 	
10:55-11:15	<ul style="list-style-type: none"> • J. Oberlerchner: Improving the analysis of low molecular weight celluloses 	
11:15-11:45	<ul style="list-style-type: none"> • P. Turner: COST action FP1105 	
11:45-12:45	<i>POSTER SESSION 2 (7 FP0901 posters + ÅA)</i>	
12:45-13:45	<i>LUNCH</i>	

Session 6 –		
13:45-14:10	<ul style="list-style-type: none"> • S. Johansson: Characterization of tree and wood fractions for biorefinery applications 	Chair: E. Sjöholm
14:10-14:35	<ul style="list-style-type: none"> • S.-L. Chong: Acetyl fingerprinting of glucuronoxylan with endoxylanase mediated mass spectrometry method 	
14:35-15:00	<ul style="list-style-type: none"> • M. Orlandi: Characterization of lignocellulosic materials during the biorefinery process of <i>Arundo donax</i> for “Fine” chemicals production 	
15:00-15:25	<ul style="list-style-type: none"> • C. Athanassiou: Chemical composition of diatomaceous earths from south eastern europe, and its association with insecticidal effect against stored product insects 	
15:25-15:50	<ul style="list-style-type: none"> • J. Hell: Immunolocalization of arabinoxylan in wheat bran for the effect of different treatments 	
15:50-16:15	<i>Meeting and Action wrap-up</i>	Chair and WG