

COST FP 1006 WG1

WOOD SURFACE MODIFICATION

Meeting WG 1 in Kuchl (chaired by Gerhard Gröll)

TOPICS MISSING IN THE PAPER

- ➔ Modification using different sources of irradiation
 - ⇒ Laser, IR, Electron beams, laser beams...
 - ⇒ Abstracts from Turkey-Conference on COST Wegpages
- ➔ *Discussed in Lisbon. Magnus Walinder (KTH) will contact colleagues in Sweden active in this field and try to invite them to a presentation/ overview. Colleagues from Turkey willing to present as well at final conference*
- ➔ *Magnus Wålinder (KTH) is willing to present at the final conference*
- ➔ Layer by layer modification
 - ➔ *In discussion in Lisbon it was not clear to audience what this item means/ intention. Should be clarified and newly discussed*
 - ➔ *Presentation by Csilla Csiha held in Kuchl*
- ➔ Nanocellulose deposition
 - ➔ *There is obviously another Cost Action 1205 in this field what could be contacted and invited to present. Magnus Walinder (KTH) and Mark Lawther will contact known working groups and invite to presentations*
 - ➔ *Presentation by Gilles Sebe postponed to final conference because of Air France strike*
- ➔ Washing of surfaces (cleaning, extraction)
 - ➔ *Cleaning/ lignin degradation during cleaning is an item, Bern University is interested in. Presentation planned.*
 - ➔ *Presentation by Marion Noël held in Kuchl*

GAPS IN KNOWLEDGE, RESEARCH NEEDS

➡ Characterisation of modified surfaces

➡ *Everyones task, partly in different papers already covered. Continuous task.*

➡ Change of properties of modified surfaces during exposure

➡ *Ongoing; quite some presentations at ECWM covered this for parts*

➡ Predictive models for service life of coatings (→ WG3)

➡ *The item of coatings is seen to be very important and could be probably an idea for an own follow up Cost action. Phil Evans and Lone Gobakken could be asked to give presentations at the final conference on coating related items*

➡ *Phil Evans and Lone Gobakken are willing to present at the final conference*

➡ Use of biobased oils

➡ *Activities in Poland (Bart Mazela) and SP Trätek. Try to get presentations*

➡ Combination of modification methods to achieve supplementary effects or synergies

➡ *Activities in Slovakia (Reinprecht), Germany (Carsten Mai) and Copenhagen (contact via Lawther). Contact to get presentations*

➡ *Ladislav Reinprecht is willing to present at the final conference*

GAPS IN KNOWLEDGE, RESEARCH NEEDS

➡ Densified wood in exterior application

➡ *Contact Andreja Kutnar to summarize/ present*

➡ *Andreja Kutnar is willing to present at the final conference*

OTHER IDEAS OR PREFERENCES

- ➔ End of life and health aspects of modified wood
 - ➔ *Candidates to contact/ contribute: C. Hill (UK) ; PhD student of Bruno Andersons (Riga)*
 - ➔ *Bruno Andersons is willing to present at the final conference*
- ➔ Protective systems with reduced use of biocides
 - ➔ *This is seen to be a general remark with importance for every development*
- ➔ Try to involve and inform coating manufacturers

- ➔ Conference topic on coatings at one of the next COST events
- ➔ Further ideas from Lisbon:
 - ⇒ *Veneer modification (top layer modified veneers)*
 - ⇒ *Color change of wood due to VIS light*
 - ⇒ *Boris Forsthuber and Vjekoslav Živković are willing to present at the final conference*
 - ⇒ *Thinking more in applications (comment from IKEA)*