



## **COST FP0904 & FP1006**

### **Thermo-Hydro-Mechanical Wood Behaviour and Processing meets**

### **Bringing new functions to wood through surface modification**

## **MC & WG Meeting**

19<sup>th</sup> September 2012  
City Hotel, Ljubljana,  
Dalmatinova 15  
SI 1000 Ljubljana, SLOVENIA

### **About COST Action FP0904**

The polymeric components of wood and its porous structure allow its properties to be modified under the combined effects of temperature, moisture and mechanical action – so-called Thermo-Hydro-Mechanical (THM) treatments. Various types of processing techniques, including high temperature steam with or without an applied mechanical force, can be utilised to enhance wood properties, to produce eco-friendly new materials and to develop new products. During these THM treatments, wood undergoes mechano-chemical transformations, which depend upon the processing parameters and material properties. An investigation of these phenomena requires collaboration between groups from different wood disciplines; however, to date research has been rather fragmented. This COST Action aims to apply promising techniques in the fields of wood mechanics, wood chemistry and material sciences through an interdisciplinary approach to improve knowledge about the chemical degradation and mechanical behaviour of wood during THM processing. This will help overcome the challenges being faced in scaling-up research findings, as well to improving full industrial production, process improvement and the enhancement of product properties and the development of new products.

### **About COST Action FP1006**

Many applications of products are determined by their special surface properties, and based on the physical, chemical and biological interchange of various molecules with the materials surface. This is especially true for the use of wood and wood based products due to the special wood characteristics like anisotropy, UV-degradation. Thus, bringing new functions to wood through surface modification is needed in order to enhance the quality of the existing wood products and to open the way to new applications, products or markets.

This COST Action aims to provide the scientific-based framework and knowledge required for enhanced surface modification of wood and wood based products towards higher functionalization and towards fulfilment of higher technical, economic and environmental standards. This will be achieved by working within three main areas: Wood surface modification and functionalization, Wood interface modification and interface interaction and Process and Service life modelling.

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### **AIM OF MEETING**

Aim of this event is to facilitate the collaboration and provide a forum to discuss new joint research ideas among the Actions.

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### **LANGUAGE**

The meeting language will be English.

## PARTICIPATION FEES

Conference fee: 40,00 € (covers lunch, coffee).  
There is a 10,00 € surcharge for late registrations.

***Payments may be made by cash at registration.***

## REGISTRATION

To register fill the registration form and send it to  
dr. Sergej Medved ([sergej.medved@bf.uni-lj.si](mailto:sergej.medved@bf.uni-lj.si))  
or dr. Andreja Kutnar ([andreja.kutnar@upr.si](mailto:andreja.kutnar@upr.si))

***Please register by 7<sup>th</sup> September 2012***

## ACCOMODATION

There are some rooms exclusively reserved for the  
COST Action Meeting.

**Deadline for reservation is September 7<sup>th</sup> 2012**

Please mention "COST Action Meeting" when you book  
a room. The rooms are in the same Hotel as the  
meeting is going to take place (City Hotel).

Price details:

Single room – Basic: 96,01€

Single room – Superior: 122,01€

Double room: 138,02€

Booking details: fill the attached form and send it to  
Mrs. Valentina Troha ([valentina.troha@cityhotel.si](mailto:valentina.troha@cityhotel.si))

Keyword: COST Action Meeting

Additional information's and hotels:  
<http://www.visitljubljana.com>

## HOW TO REACH THE CONFERENCE VENUE:

**By plane:** International Airport Jože Pučnik,  
Ljubljana, and then taxi to City Hotel Ljubljana

**By train:** Railway station Ljubljana, and then walk to  
City Hotel Ljubljana

**Taxi:** The taxi transport from Airport to Hotel is  
organized in cooperation with Hotel.

## By car:

From Villach (Austria) E55/E61 (100 km)

From Klagenfurt (Austria) E652/101/E61 (85 km)

From Graz (Austria) via Maribor E66/E57 (195 km)

From Trieste (Italy) E61/E70 (95 km)

From Zagreb (Croatia) E70 (145 km)

From Budapest (Hungary) E71/E653/E57 (465 km)

## PROPOSED SCHEDULE

### 18<sup>th</sup> September 2012

18:00 SC FP1006 Meeting (only SC members)

### 19<sup>th</sup> September 2012

08:30 Registration

09:00 WG meeting – Part 1

10:30 Coffee break

11:00 WG Meeting – Part 2

12:30 Lunch break

14:00 Joint session

16:00 Coffee break and close of meeting

19:00 Dinner (optional)

## CORRESPONDANCE ADDRESS

doc. dr. Andreja Kutnar

Tel: +386 5 611 7591

Fax.: +386 5 611 75 92

GSM: +386 31 240 121

e-mail: [andreja.kutnar@upr.si](mailto:andreja.kutnar@upr.si)

doc. dr. Sergej Medved

Tel.: +386 1 320 3617

Fax.: +386 1 257 22 97

GSM: +386 41 829 458

e-mail: [sergej.medved@bf.uni-lj.si](mailto:sergej.medved@bf.uni-lj.si)

## MORE INFO

<http://www.cost-fp0904.ahb.bfh.ch/cost/en/Home/>

<http://cost-fp1006.fh-salzburg.ac.at>



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