textile industry. The use of high-energy micro-environments (particularly ultrasound and microwaves) could enhance mass transport in wet processes from bulk of the industrial liquors to textile structured materials. Those techniques could also be applied in the treatment of dye-house effluents providing better solutions to the decrease of pollution content. These techniques can be applied as stand-alone measures or as novel components of multi-disciplinary approaches. Recent in the area of high-energy micro-environments have shown potential to apply these techniques in the production of novel textile finishing effects and products, like coated and glued textile materials. In this presentation the last developments from all partners with the WG will be presented and discussed.

16:00  Oral

High-Energy Micro-Environments Applications in Textiles (HEMEAT)

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Non-traditional techniques creating high-energy micro-environments could represent novel processing routes for the