

## PROGRAMME

## TUESDAY 28th SEPTEMBER

|                    |   |                                       |
|--------------------|---|---------------------------------------|
| <b>9:00-10:00</b>  | <b>Registration and Coffee</b>  |                                       |
| <b>10:00</b>       | <b>Opening Presentation</b>   | Tim Rollinson,<br>Forestry Commission |
| <b>10:30-14:45</b> | <b>Wood properties</b>  | <i>Chair:</i> Arto Usenius            |
| 10:30              | Impact of stand density management on wood and product properties, and value recovery chain in major commercial species of eastern Canada | Tony Zhang                            |
| 11:15              | Optical to ultrastructural classification of compression wood   | Alan Crossley                         |
| 11:45              | Ultrastructural and micro-mechanical characterisation of compression wood   | Marco Fioravanti                      |
| 12:15              | Dissecting the concept of microfibril angle: a spectroscopic approach   | Mike Jarvis                           |
| <b>12:45-13:45</b> | <b>Lunch</b>  |                                       |
| 13:45              | Links between functional wood properties within growth rings of <i>Populus nigra</i>  | Lieven De Boever                      |
| 14:15              | Modelling wood tissue development: a case study using the Mefyque model for a temperate pine forest                                       | Gaby Deckmyn                          |
| <b>14:45-15:15</b> | <b>Tea/Coffee</b>   |                                       |
| <b>15:15-18:00</b> | <b>Quality in Standing Timber</b>   | <i>Chair:</i> James Pendlebury        |
| 15:15              | Wood quality in standing timber: evolution of assessment methods in plantations   | Dave Cown                             |
| 16:00              | Predicting grade distributions for standing trees   | Sonja Vospernik                       |
| 16:30              | Predicting lumber grade recovery of standing trees  | Lennart Moberg                        |
| 17:00              | Evaluating the quality of standing timber: experiences of an approach for German forests  | Udo Hans Sauter                       |
| 17:30              | Instability in plantations of container-grown Scots pine and consequences on stem form and compression wood formation                     | Mas Warensjö                          |
| <b>18:00-19:30</b> | <b>Break</b>  |                                       |
| <b>19:30-21:30</b> | <b>Poster Session</b> (with light refreshment)  |                                       |

## PROGRAMME

WEDNESDAY 29<sup>th</sup> SEPTEMBER

|                     |   |                                  |
|---------------------|---|----------------------------------|
| <b>09:00-12:15</b>  | <b>Laboratory and industrial processes</b>  | <i>Chair:</i> Marco Fioravanti   |
| 09:00               | Factors involved in the future forestry-wood industry chain   | Joris Van Acker                  |
| 09:45               | Predicting physical characteristics of wood by multivariate image projections to latent structures in microwave and CT images of softwood | O. Hagman                        |
| 10:15               | Effects of early thinning on Scots pine properties: x-ray microdensitometry approach  | Heli Peltola                     |
| <b>10:45-11:15</b>  | <b>Coffee</b>   |                                  |
| 11:15               | Quantification of compression wood using image analysis tools: modelisation of features decisive for sawn timber quality                  | Franka Brüchert                  |
| 11:45               | Multipurpose exploitation of wood and bark wastes from pulp industry to produce bioactive compounds                                       | Frédérique Bertaud               |
| <b>12:15 -15:30</b> | <b>Timber drying and distortion</b>   | <i>Chair:</i> Peter Wilson       |
| 12:15               | Is there a future for sawn timber?  | Robert Kliger                    |
| <b>13:00-14:00</b>  | Lunch   |                                  |
| 14:00               | Distortion in in-service conditions   | Marie Johansson                  |
| 14:30               | Minimising distortion of sawn timber: best practice guidance  | Viekko Tarvainen                 |
| 15:00               | Drying quality of birch wood in high-frequency vacuum drying  | Jari Kivistö and Marketta Sipi   |
| <b>15:30-16:00</b>  | <b>Coffee</b>   |                                  |
| <b>16:00-18:00</b>  | <b>Climate change impacts and The Forestry woodchain</b>  | <i>Chair:</i> Reinhart Cuelemans |
| 16:00               | Long-term market developments in Europe: implications for the forestry woodchain  | Adrian Whiteman                  |
| 16:45-17:00         | Split for Parallel Session  |                                  |
|                     | <b>Climate change (parallel)</b>  | <i>Chair:</i> Reinhart Cuelemans |
| 17:00               | Forestry in Europe under changing climate and land use  | Jeannette Meyer                  |
| 17:30               | Ecological and timber quality criteria in regional forest scenario analyses   | Tuula Nuutinen                   |
|                     | <b>The Forestry Woodchain (parallel)</b>  | <i>Chair:</i> Risto Päivinen     |
| 17:00               | Integrating timber quality from stand level to regional forestry woodchain  | Thies Eggers                     |
| 17:30               | Information, economic return and wood quality in Scots pine management  | Sami Pastila                     |
| 18:00               | <b>Close for Day</b>  |                                  |
| 19:30               | <b>Conference Dinner</b>  |                                  |

PROGRAMME

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**THURSDAY 30<sup>th</sup> SEPTEMBER**

|                     |  |                                 |
|---------------------|--|---------------------------------|
| <b>09:00- 10:45</b> | <b>Grading and forecasting</b>   | <i>Chair:</i> Jean-Michel Leban |
| 09:00               | Predicting wood quality as result of silviculture  | Ute Seeling                     |
| 09:45               | Characterising standing western hemlock in terms of end-product values                           | Gerry Middleton / Dave Munro    |
| 10:15               | Integration of process-based and empirical modelling of growth and wood properties in Scots pine | Heli Peltola                    |
| <b>10:45-11:15</b>  | <b>Coffee</b>  |                                 |
| <b>11:15-12:15</b>  | <b>Grading and forecasting (continued)</b>   | <i>Chair:</i> Barry Gardiner    |
| 11:15               | Predicting quality losses caused by <i>Heterobasidion</i> in Norway spruce                       | Ulla Mattila/Tuula Nuutinen     |
| 11:45               | Using 3D measurements of standing trees and log shape to predict their compression wood content  | Jean-Michel Leban               |
| <b>12:15</b>        | <b>Closing presentation</b>  |                                 |
| 12:15               | Community research programmes in the forestry woodchain area                                     | Laurent Bochereau               |
| <b>13:00</b>        | <b>Lunch and adjourn</b>   |                                 |