











| <b>Friday<br/>7th May<br/>Technical tour</b> |   |            |            |            |
|--|---|------------|------------|------------|
|  | Registration  |            |            |            |
| 09:00  | [77] The resurgence of timber as a primary building material in Edinburgh's architecture (UK)<br>P. Wilson (delegates will receive a copy of " <a href="#">New Timber Architecture in Scotland</a> ")   |            |            |            |
| 09:20  | [78] <a href="#">The John Hope Gateway Biodiversity Centre</a> (UK) R. Harris, P. Roberts & I. Hargreaves   |            |            |            |
| 09:40  | [79] <a href="#">Structural Performance of thinned oak containers</a> (UK) N. Savage & A. Kermani   |            |            |            |
| 10:00  | Walk  |            |            |            |
| 10:10  | Gather outside the <b>Scottish Parliament</b> prior to 45 minute guided tour<br>(Main hall, a committee room, the garden lobby and the debating chamber)  |            |            |            |
| 10:30  | <table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <td style="width: 30%; text-align: center;">10:30 tour</td> <td style="width: 30%; text-align: center;">10:40 tour</td> <td style="width: 30%; text-align: center;">10:45 tour</td> </tr> </table>   | 10:30 tour | 10:40 tour | 10:45 tour |
| 10:30 tour                                   |   | 10:40 tour | 10:45 tour |            |
| 10:40  |   |            |            |            |
| 10:50  |   |            |            |            |
| 11:40  | Coach   |            |            |            |
| 11:50  | Coach   |            |            |            |
| 12:10  | <b>John Hope Gateway building</b> / Royal Botanic Garden Edinburgh  |            |            |            |
| 12:20  | Lunch in the John Hope Gateway Restaurant<br>The engineered bamboo chairs and wooden tables were designed especially for the restaurant.<br>The timber, of various species, for the tabletops came from the four locations of the Botanic Garden. The floor is Douglas fir. |            |            |            |
| 13:20  | John Hope Gateway building and botanic garden<br>The John Hope Gateway building has been designed as a demonstration site for promoting sustainability. The structure includes glulam beams and cross-laminated timber floors and walls                                     |            |            |            |
| 13:50  |   |            |            |            |
| 14:10  | Coach   |            |            |            |
| 14:50  | <b>Glenkinchie Distillery</b><br>A special tour for the conference covering the role of the wooden casks in whisky making concluding with a whisky tasting.   |            |            |            |
| 15:50  | Coach   |            |            |            |
| 16:40  | Close   |            |            |            |

## Friday 7<sup>th</sup> May: Technical tour details

### Presentations

The day begins with three special presentations relating to the technical tour destinations.

#### Scottish Parliament

Scotland's Parliament sits right next to the conference venue. Constructed from a mixture of steel, oak, and granite, the complex and controversial building draws inspiration from the surrounding landscape, famous Scottish paintings, and upturned boats on the seashore. The highlight is the unique roof structure in the main debating chamber which consists of laminated oak beams that are supported at ceiling level and connected by a system of stainless-steel joints without supporting columns. The building was designed by Catalan architect Enric Miralles and consulting engineers Arup.

This special tour will cover the use of wood in the building as well as the functioning of the Scottish Parliament, which is hugely influential for the forest and timber industries in Scotland; an important sector of the Scottish economy.

#### John Hope Gateway

Opened in October 2009, this stunning building offers visitors to Edinburgh's Royal Botanic Garden the opportunity to explore the scientific work that takes place at the Garden, as well as housing a restaurant and shop. It was designed by Edward Cullinan Architects and engineers Buro Happold.

The building is a world away from the rustic shed and tree-house aesthetic that many people associate with gardens. Instead it is an exemplar of state-of-the-art timber engineering with glulam, cross-laminated timber and hybrid steel and timber structural elements. The building is finished externally with home-grown larch cladding and internally with fittings and furniture of various species.

#### Glenkinchie Distillery

One of only three remaining lowland whisky distilleries, Glenkinchie is locally known as the 'Edinburgh Malt' due to its close proximity to Scotland's capital. There will be a special tour for the conference covering the role of the wooden casks in whisky making – the subject of some current research in collaboration with Edinburgh Napier University. The tour is generously sponsored by the distillery's owner Diageo, and will conclude with a whisky tasting.