

<p>Programme 24 August 9:00 – 13:00</p> <p>Fire safety of timber – burnout and structural performance</p>		
<p>Kl. 9-9.10</p> <p>Language: English</p>	<p>Welcome</p>	<p>Anders Dragsted (DBI)</p>
<p>Kl. 9.10-9.55</p> <p>Language: English</p>	<p>Title: The interaction of fire and structure in timber buildings.</p> <p>Description: The linings of compartments are known to have an influence on the development and temperatures within compartment fires. Historically this feedback was limited to the heat losses through the walls. When a building is constructed from mass timber, there is significantly more potential for interaction between the fire and the structure. Timber may change how the fire grows within the compartment, prolong the fire, and increase temperatures within the compartment. The fire may also have impacts on the structure that are not evident for steel or concrete structures. This talk will unpack some of these issues and explore the interaction of fire and structure.</p>	<p>Angus Law (The University of Edinburgh)</p>
<p>Kl. 10.00-10.45</p> <p>Language: English</p>	<p>Title: Mass Timber Buildings and Surviving Burnout – Lessons from compartment fire experiments</p> <p>Description: The presentation will start with a discussion of fire resistance requirements and some knowledge of their underlying performance goals. Such performance goals include the ability of a structure to withstand the full course of fire without collapse. Using outcomes of compartment fire experiments, it will be made clear that fulfilling the fire resistance requirements alone, does not guarantee that all such performance goals are met in buildings with a combustible structure. Using another series of</p>	<p>Daniel Brandon (RISE)</p>

	<p>compartment fire experiments, it will be demonstrated that these performance goals can be met by eliminating phenomena that can significantly prolong fires, and at the same time by providing sufficient structural resistance.</p>	
10.45 – 11.00	Break, coffee & cake	
11.00-11.30 Language: English	<p>Title: Heat transfer in timber structures during large-scale fire experiments</p> <p>Description: Much of the existing data on charring and heat transfer in timber structures is derived from small-scale experiments at defined heating rates, or standard fire tests. However, conditions in real fires can be very different, and there is mounting evidence that heat transfer in the decay phase of a ‘natural fire’ can be critical for timber structures. This presentation will summarise results from a series of large-scale timber compartment fire experiments and analyse the heat-transfer through the structural elements.</p>	Ian Pope (DBI)
11.35-12.20 Language: Danish	<p>Titel: Træbyggeri – Designerfaringer vedr. brand og konstruktioner.</p> <p>Beskrivelse: Der vil være fokus på de særlige brand- og konstruktionskrav der stilles til træbyggeri og de grænseflader der er mellem brandrådgiveren og statikeren. Dernæst hvordan man kan dokumentere træbyggeri, der ikke opfylder de præ-accepterede krav. Vi vil også give eksempler på opmærksomhedspunkter og designerfaringer fra større træ-projekter i Danmark.</p>	<p>Gustav Lanng Madsen (Artelia)</p> <p>Bo Pedersen (Artelia)</p>
12.20	Lunch and networking	