

## Impact of Improved Joint Designs on Production Costs and Performance of Wooden Windows

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A free workshop for manufacturers of wood windows

Friday March 28<sup>th</sup> 2003 12.30 p.m. – 4.30 p.m.

### Centre for Advanced Wood Processing and Forestry Innovation Investment, Vancouver, BC

The Centre for Advanced Wood Processing is pleased to invite manufacturers of wooden windows, and related stakeholders to participate in a free half-day workshop that will present the results of new research on the machining of joints used for sash corners in wooden windows and the relative performance of the different types of joints. The following subject areas will be covered in the workshop; 1, methods of machining sash corners, including CNC machining of certain corner joints; 2, comparison of the strength of different types of joints manufactured from Douglas fir, hemlock and western red cedar; and 3, moisture uptake and swelling of different corner joints. The workshop will conclude with an open discussion of the future technical and research needs of the wooden window sector in British Columbia. The workshop is supported by Forestry Innovation Investment.

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#### Workshop Schedule

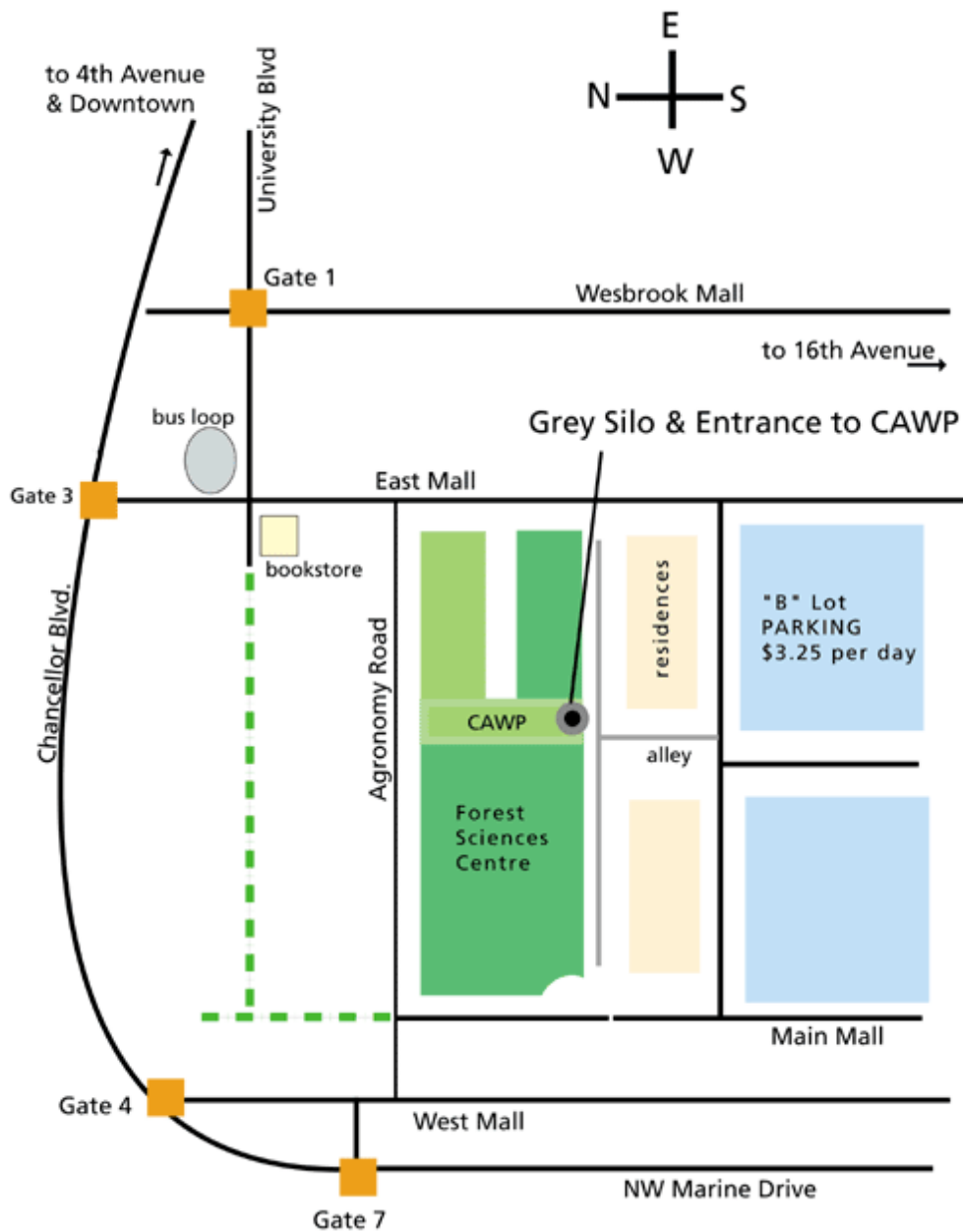
12.30 p.m.	Welcome and buffet lunch
1.15 p.m.	Introductions
1.30 p.m.	Aims of the study
1.45 p.m.	Explanation of project methodology <ul style="list-style-type: none"><li>• Manufacturing &amp; machining</li><li>• Strength properties</li><li>• Resistance to moisture</li></ul>
2.25 p.m.	Discussion of results
2.55 p.m.	COFFEE
3.10 p.m.	Tours and demonstrations – CAWP wooden window manufacturing and testing facilities
3.50 p.m.	Open forum – future research and technical requirements of the wooden window manufacturing industry
4.20 p.m.	Conclusions and wrap-up

The workshop will be led by **Phil Evans**, Director of CAWP and the project leader, assisted by **Robert Fuerst**, Wood Products Manufacturing Instructor, **Tom Wray**, Facility Manager, **Markus Steiniger**, Research Associate, **Kathrin Urban**, Graduate Student, and **Iain Macdonald**, Associate Director. There is no charge to participate – however **please RSVP** to Iain Macdonald at 604 822-1472 or 1-866-822-2297 (toll free) to confirm your attendance. A buffet lunch will be offered prior to the start of the workshop.

**CAWP at the UBC Main Campus, Forest Sciences Building  
Suite 2900 – 2424 Main Mall, Vancouver, BC V6T 1Z4**

## Directions to the Centre for Advanced Wood Processing

- Entering campus from **10th Avenue**, drive to the main intersection of University Boulevard and East Mall.
- The bus loop is on the right hand side. On the southwest corner is the UBC Bookstore.
- **Turn LEFT** onto East Mall. Follow East Mall approx. three blocks until the stop sign at East Mall and Agronomy Road.
- CAWP is the building on the southwest corner of this intersection. Parking is available one block south in the "B" parking lots.
- Enter CAWP at the GREY SILO (southeast door) and take the elevator to the second floor reception.



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