

Techniques and tools for coupe and compartment level harvest planning

*hosted by Research Programme Three
(Harvesting and Operations)*

A two day workshop presented in three states by professors Loren Kellogg and John Sessions, in December 2007

Instructors will guide participants through valuable information on harvest planning for the Australian forest industry, including basic principals for harvest planning: from the impacts of establishment planning through to scheduling of operations. The workshop aims to demonstrate:

- Technical tools and analytical methods for eucalyptus and pine plantation establishment.
- Technical tools and analytical methods for harvest planning of plantation and native forests.
- Harvest planning software and discuss practical applications.
- Applications of workshop concepts to forest management decisions and problem solving, such as plantation establishment, resource protection and harvesting management.

Who should attend?

- Plantation establishment foresters
- Plantation harvesting planners
- Regrowth thinning planners
- Native forest harvesting planners
- Logging supervisors and contractors

Available in three states:

- **Tasmania (Campbell Town) , 5–6 December**
(to be followed by a one day cable logging workshop on 7 December).

Venue: The Grange Conference and Meeting Centre
Heritage Highway, Campbell Town
Phone: (03) 6381 1686, fax: (03) 6381 1536
<http://www.thegrangeconferences.com.au/pages/contact.html>

Accommodations recommended by The Grange:
Fox Hunters Return (B&B) <http://www.foxhunters.com.au/>
The Gables (B&B) <http://www.the-gables.com.au/>
Campbell Town Hotel
http://www.goodstone.com.au/campbelltown/accommodation_campbelltown.htm

- **Western Australia (Albany), 10–11 December.**

Venue: Dog Rock Motel
303 Middleton Beach Road
Albany
Phone 08 9841 4422
<http://www.dogrockmotel.com.au/>

Accommodation: on site.

- **South Australia (Mount Gambier), 13–14 December.**

Venue: Lakes Resort Mount Gambier
17 Lake Terrace West – P.O.Box 245
Mount Gambier, SA 5290
Phone: (08) 8725 5755
Fax: (08) 8723 2710
www.lakesresort.com.au

Accommodation: on site.

Programme

Day one

- 09:30 – 10:00 Workshop registration and morning tea.
- 10:00 – 10:30 Setting the stage: workshop introduction, objectives, overview (Loren Kellogg).
- 10:30 – 12:30 Using **breakeven analysis** to aid harvesting and transport decisions including road construction and management standards.
- 12:30 – 13:15 Lunch
- 13:15 – 15:00 **Road and landing spacing analysis** to assess snigging distance impacts on costs; aid coupe roading, harvest planning and layout decisions (from the landowner/manager point of view, the contractors point of view, one-way or two-way snigging distances, and single or multiple harvest entries).
- 15:00 – 15:30 Afternoon tea
- 15:30 – 17:30 Complete road and landing spacing topic (approx one hour). Begin **total harvesting system considerations** in plantation establishment and native forest or plantation forest harvest planning using **network analysis** concepts and software to aid decision making along the supply chain from stand establishment, through harvesting to wood utilisation and marketing.
- 18:00 – 19:00 No host bar and discussion amongst workshop participants, instructors, and CRC Forestry Programme Three research team members.
- 19:00 Evening supper included with workshop registration fee.

Day two

- 08:00 – 09:30 Workshop participant discussion and input with CRC Forestry Programme Three staff on future workshop needs and other industry engagement activities.
- 09:30 – 10:30 Continue with **total harvesting system considerations using network analysis**.
- 10:30 – 11:00 Morning tea
- 11:00 – 12:30 Finish **total harvesting system considerations and network analysis** topic.
- 12:30 – 13:15 Lunch
- 13:15 – 15:15 **Work scheduling considerations** and example analysis methods for truck scheduling, and coupe harvest scheduling.
- 15:15 Afternoon tea, and workshop wrap-up and evaluation
- From 15:30 John Sessions, Loren Kellogg and other CRC for Forestry staff available to workshop participants for follow-up discussions.

Presenters



Professor John Sessions from Oregon State University, United States of America, will be the lead instructor for these workshops. John has a wealth of international experience in forest harvesting systems, harvesting and transport planning, and the development of analytical tools and software to assist forest harvesting operations management.



Professor Loren Kellogg, from Oregon State University, United States of America, is on a one-year secondment with the CRC for Forestry and the University of Melbourne. Loren will be co-instructor for these workshops and lead instructor for the cable logging systems workshop to be held in Tasmania on 7 December. Professor Kellogg has a unique blend of practical forest operations experience and technical forest engineering skills with a wealth of international experience in forest harvesting systems.

Harvest planning workshop registration form

FAX to David Page (03) 6226 7942 or email to dpage-ts@csiro.au

Registrant information

Name: _____

Company: _____

Title: _____

Address: _____

Phone: _____

Fax: _____

Email: _____

Location

- Tasmania, 5-6 December
 - I also plan to attend the cable logging workshop, 7 December.
- Western Australia, 10-11 December
- South Australia, 13-14 December

Cost (including GST)

Please circle the category that applies to you:

	Early registration (before November 30)	Normal registration
CRC for Forestry partner organisation	\$250	\$400
Non-partner organisation	\$450	\$650
Contractors	\$150	\$250

Payment information

Once your registration form has been received, the CRC for Forestry will forward you a tax invoice, which can be paid by cheque or direct bank deposit.