



Understanding Forest Science 2023

**Sunday 16 to
Friday 21 July**

Pacific Bay Resort
Coffs Harbour NSW
Gunbaynggirr Country

www.gottsteintrust.org



Bill Gottstein

The Gottstein Trust Fund was formed in 1971 by forestry products industry leaders and the Commonwealth Scientific and Industrial Research Organisation (CSIRO) to honour the late Joseph William “Bill” Gottstein.

Bill was an esteemed forest products research scientist with the CSIRO. His expertise and personality meant he was known and respected internationally.

In March 1971, possibly at the peak of his powers, he was struck by a ricocheting tree and died instantly when photographing a tree-felling operation. It was shortly before he was due to return home to Brisbane from a Papua New Guinea trip. Shockwaves went through the industry and research community.

The Trust Fund is a living legacy to Bill Gottstein. It ensures the influence of this innovative and exceptional man goes on.

About the Gottstein Trust

The Joseph William Gottstein Memorial Trust Fund is known as the Gottstein Trust. This unique national educational trust exists to support the advancement of the forestry products industry. It provides opportunities for people to expand their knowledge and networks.

The Gottstein grants available to individuals are the Gottstein Fellowships (most entail an overseas study tour), Scholarships and Skill Development grants. The Trust also runs short courses and field trips each year.

Funds are raised entirely through industry donations, event revenue and investment income. The first 50 years to 2021 saw 151 Fellowships granted, with almost \$1.4 million awarded to a total of 189 individuals to pursue special projects, to study or undertake skill development.

The Gottstein Trust is currently governed by six trustees and chaired by Suzette Weeding. Kurrumbene Projects & Advocacy is engaged to manage operations.

Day 1 – Sunday 16 July

Arrival and welcome

Conference Room, Pacific Bay Resort

5:15 pm Registration with Helen Murray and Jocelyn Carpenter, Gottstein management team

6:00–
8:00 pm Casual dinner, course welcome and overview and introductions

Day 2 – Monday 17 July

Presentations

Conference Room, Pacific Bay Resort

8:45 am Acknowledgement of Country
The Gottstein Trust – fostering opportunity & knowledge
Helen Murray
Course convenor

9:00 am Forestry 101 – setting the scene
Dr Graeme Palmer
Lecturer
School of Environment Science & Engineering
Southern Cross University

10:00 am Managing softwood plantations
Justin Crowe
Softwood Plantations Division Systems Manager
Forestry Corporation of NSW

11:00 am Morning tea

11:30 am Forest soils and water supply
Dr Ashley Webb
Gottstein Fellow
General Manager Water Planning & Delivery
WaterNSW

12:30 pm Lunch

1:30 pm Biosecurity
Dr Angus Carnegie
Senior Principal Research Scientist
NSW Department of Primary Industries – Forestry

2:00 pm Forestry on farms – a snapshot
(hardwood plantations, private native
forestry)
Andrew Hurford
Executive Chair
Hurford Group

2:45 pm Afternoon tea

3:15 pm Managing hardwood plantations
(via live stream)
Braden Jenkin
Gottstein Fellow
Managing Director
Sylva Systems Pty Ltd

Day 2 – Monday 17 July

4:15–5:15 pm Towards net zero – carbon equation of trees, forests, wood products Dr Fabiano Ximenes
Senior Research Scientist
NSW Department of Primary Industries – Forestry

Dinner own arrangements

8:00–8:30 pm **After dinner discussion group**
Bring a wine, beer, hot chocolate, tea, coffee, water...this is wind down time
What it's all about – field ecology in the State forest estate.
Guest – Chris Slade
Senior Ecologist Hardwood Forests, Forestry Corporation of NSW

Day 3 – Tuesday 18 July

Tree nursery and softwood plantations field trip

8.20 am Briefing
Must have appropriate attire, footwear and PPE
Field trip coordinator Justin Black
Strategic Projects & Programs Leader
Forestry Corporation of NSW

8.30 am Board coach and depart

Visit **Forestry Corporation of NSW Tree Nursery**
Travel one hour north to Grafton to tour the softwood and hardwood seedling nursery. The nursery nurtures and supplies young trees for the major replanting effort arising from catastrophic bush fires in 2019/20.

Morning tea and lunch supplied for picnic stops

Visit **Softwood plantations**
Visit various sites of interest and hear from personnel from Forestry Corporation of NSW. Forest plantation sites will be north of Coffs Harbour between Grafton and Casino. Field discussions will include: fire management; bushfire impacts; salvage; post fires decision making for forest recovery and site consolidation; planting since the fires and the challenges that posed; flood damage and impacts such as the associated roadworks since; pest monitoring and control and plantation biosecurity practices.

5:00 pm Arrive back at Resort

Dinner – own arrangements

8:30 – 8:30 pm **After dinner discussion group**
Bring a wine, beer, hot chocolate, tea, coffee, water...this is wind down time
Purpose and impact of forestry hubs – case study NE NSW
Guest – Nick Cameron
Hub Manager, North East NSW Forestry Hub

Day 4 – Wednesday 19 July

Presentations

Conference Room, Pacific Bay Resort

9:00 am Forest biodiversity
Suzette Weeding
General Manager Conservation & Land Management
Sustainable Timber Tasmania
Gottstein Trust Chair

10:00 am Technology for forest monitoring, management and harvesting
Dr Christine Stone
Visiting Research Scientist
NSW Department of Primary Industries – Forestry
Adjunct Professor
University of Tasmania

11:00 am Morning tea

11:20 am Forest research, development and extension
Dr Chris Lafferty
Research and Development Manager
Forest & Wood Products Australia

12:00 pm Management of natural (native) forests
Michael Ryan
Forest Scientist
VicForests

1:00 pm Lunch

1:45 pm Advances in fauna monitoring and habitat protection – case study on koalas
Dr Brad Law
Principal Research Scientist
NSW Department of Primary Industries – Forestry
Adjunct Fellow
Queensland University of Technology

Giingan Gumbaynggirr Cultural Experience

2:30 pm Coach departs for Sealy Lookout, Niigi Niigi, in Orara East State Forest

2:45 pm The Giingan Gumbaynggirr First Nation guides will take us on this special two-hour Gumbali Track Interpretive Walk from Sealy Lookout to Korora Lookout. (A snack is provided)

5:00 pm Arrive back at Resort

Dinner – own arrangements

Natural (native) forestry field trip

8:20 am **Briefing**
Must have appropriate attire, footwear and PPE
Field trip coordinator Justin Black
Strategic Projects & Programs Leader
Forestry Corporation of NSW

8:30 am **Board coach and depart**

All day tour within the Coffs Harbour hinterland visiting natural (native) forest sites of interest and hearing from the forest management personnel.

Among the many things to be discussed on the day are:

- Forest management factors, for example prescribed burning and wildfire management, forest health, forest management, biosecurity
- Fauna protection – the role of ecologists in the field
- Indigenous forest practices
- Pre-harvest process of marking up the forest
- Harvesting regulations and planning
- Harvesting systems and processes, compliance, technology and markets
- Forestry Corporation of NSW’s eco-tourism and Aboriginal Partnership activities

Morning tea and lunch supplied for picnic stops

5:00 pm **Arrive back at Resort**

7:00 pm **Celebration Dinner**
Hosted by Suzette Weeding, Chair of the Gottstein Trust. Course speakers and guests will join participants to celebrate forestry and the learnings across the week.

Dinner speaker – Jason Ross
Gottstein Fellow
Publisher
WoodCentral
Jason will be speaking about his recent fellowship report:
Guidelines to communicate about forestry and wood products

Presentations

Conference Room, Pacific Bay Resort

8:30 am	Certification for verification of sustainable forest management practices	<p>Certified organisation: Suzette Weeding Sustainable Timber Tasmania</p> <p>Certifying body (auditor): Ross Garsden (via live stream) BSI Group Australia NZ</p> <p>Certification system: Jonathan Tibbits Responsible Wood</p>
9:15 am	Forest economics and investment – linking forests with the value chain	<p>Rob de Fégely AM Director Margules Groome Consulting Pty Ltd</p>
10:00 am	Morning tea	
10:30 am	<i>Australia's State of the Forests Report:</i> national and global reporting on forests and forest resources	<p>Dr Steve Read Chief Coordinating Scientist and Principal Scientist, Forest & Land Sciences Australian Bureau of Agricultural and Resource Economics and Sciences (ABARES)</p>
11:30 am	Closing comments	Helen Murray
Sandwiches available prior to departing. Shuttle bus to airport (time to be advised)		



Acknowledgments

A sincere thank you to each course presenter. Each so generously gives up their time to share their expertise and insights for the good of the industry, to enable others to learn. The courses only run because of their support. This genuine collaboration helps to build capacity of those in, or associated with, Australia's vitally important forest products sector.

The Gottstein Trust extends sincere thanks to the Forestry Corporation of NSW for invaluable support with planning and delivery of the 2023 field trips. We thank in particular Justin Black, who acted as central coordinator for the Gottstein team.

The Trustees sincerely thank the management team for development of the program and making it all happen, namely Judy Pearce, Jocelyn Carpenter and Helen Murray – Kurrumbene Projects & Advocacy.

Sponsored Student Places

The Trust collaborates with the Steve Stevenson Memorial Trust (SSMT) which provides one sponsored place to a university student on each Gottstein course. This rotates to a different university each year so students from right across Australia have access to this unique opportunity.

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