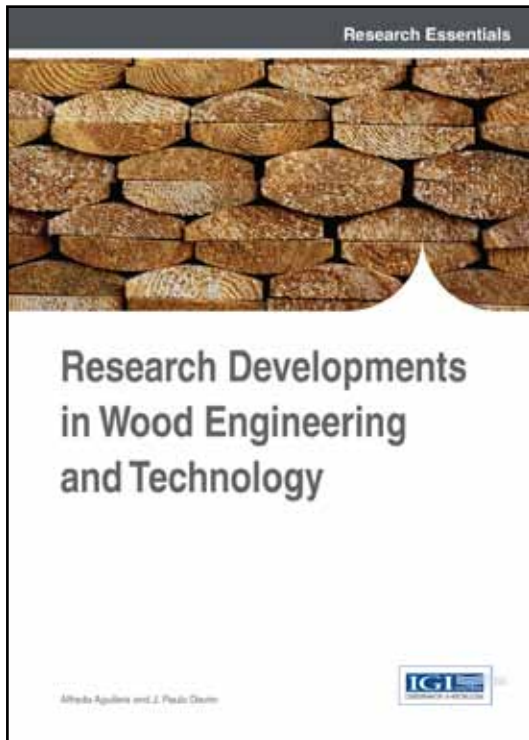


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Research Developments in Wood Engineering and Technology



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Alfredo Aguilera (Universidad Austral de Chile, Chile) and
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Wood material has acquired great importance due to its short supply and increasing environmental awareness amongst users and manufacturers. However, its use as an engineering material requires consistent research developments in order to provide accurate responses to industrial processing problems.

Research Developments in Wood Engineering and Technology examines the latest research advances and technological developments for wood material as an engineering product and the innovation it provides for environmentally-friendly materials. This reference source is essential for academics, engineers, students, and professionals involved in the multidisciplinary fields of wood science, mechanical, industrial, and manufacturing engineering.

Topics Covered:

- Fiber Panels Technology
- Non Destructive Techniques
- Optimization Methods
- Process Control
- Wood Processing Monitoring
- Wood-Based Composites

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Dr. Alfredo Aguilera is a Forest engineer graduated at University of Concepción, Chile in 1991. He has worked for a forest-industrial company, and as independent consulting engineer. In 1993 he joins the Forest Products Institute at the University Austral of Chile (Valdivia). In 1995 he received a fellow of the French government, obtaining in 1996 his MSc and in February 2000 his PhD in Wood Science at Nancy 1 University in Épinal, France. Actually he is associate professor at the Faculty of Forest Sciences and Natural Resources (University Austral of Chile), where his field of research is the wood machining process, tool wear and surface quality. He is also consultant engineer and author of number of papers and book chapters.



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