

PROCEEDINGS

25th Biennial

Southern Forest Tree Improvement Conference



New Orleans, Louisiana, USA
July 11 – 14, 1999

Hosted by
Louisiana State University
School of Forestry, Wildlife, and Fisheries



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**Southern Forest Tree
Improvement Conference**



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Southern Forest Tree Improvement Committee

Proceedings of the 25th Biennial Southern Forest Tree Improvement Conference
Compiled by Mary Bowen and Michael Stine

Conference hosted by
School of Forestry, Wildlife, and Fisheries
Louisiana State University Agricultural Center
Louisiana State University and A & M College
Baton Rouge, Louisiana 70803



The papers in this proceedings have been published as submitted. Responsibility for the technical content remains with the respective authors.

FORWARD

Louisiana State University and A & M College, Louisiana State University Agricultural Center and the School of Forestry, Wildlife, and Fisheries were pleased to host the 25th Biennial Southern Forest Tree Improvement Conference (SFTIC), the North American Quantitative Forest Genetics Group (NAQFGG), and IUFRO Working Party 2.02.20 - Genetic Resources for Southern Pines (IUFRO) meetings at the Fairmont Hotel in New Orleans, LA, from July 11-14, 1999.

At SFTIC there were 41 oral presentations: 3 invited, and 38 contributed. The NAQFGG meeting had seven presentations; the IUFRO meeting had 11 presentations and a panel discussion. The conferences had 166 registered attendees from the U.S. and 11 other countries. Approximately 35% of the attendees were affiliated with universities, 40% with industry, and 25% with state or federal governments.

The Tony Squillace Award, given for the best oral presentation based upon content, style, and use of visual aids was awarded to Tom Byram and Floyd Bridgwater for their presentation *Risk Analysis of Loblolly Pine Controlled Mass Pollination Programs*. The Bruce Zobel Award for the best oral presentation by a student went to David Remington for his presentation *Whole-Genome Characterization of Inbreeding Depression in a Selfed Loblolly Pine Family*. The Belle Baruch Foundation Award for the best poster presentation was shared by J. R. Barnes, Y. Wang, W. Lorenz, S. A. Merkle, S.F. Covert, and J. F. D. Dean for *Analysis of the Role of Leafy and Apetala-1 Genes in Southern Hardwoods*, and Xiaohong Ma and Mike Stine for *Genetic Diversity Analysis of Eastern Cottonwood Using Random Amplified Polymorphic DNA Markers*. Congratulations to all of the award winners.

Participants contributing voluntary papers and posters had the option of submitting either full manuscripts of ten pages, or extended abstracts of three pages. Of the 38 contributed oral presentations, 16 full papers, 14 extended abstracts, and eight abstracts were submitted. Extra copies of this proceedings can be ordered from the National Technical Information Service, U.S. Department of Commerce, 5285 Port Royal Road, Springfield, VA 22161, USA, Tel (800)553-6847, <http://www.ntis.gov>, Publication Order Number: PB-2000-104560.

The organizing committee would like to thank the USDA Forest Service, Boise Cascade, Westvaco, Louisiana Forest & Seed, and South Pine, for monetary contributions, and the following vendors for setting up displays at the meeting: Brambles Equipment Services, The Bosch Nursery, Inc., E. I. Dupont, South Pine, Horizon Fleet Service, International Forest Co., Irrigation Mart, Louisiana Forest & Seed Co., Inc, and Stuewe and Sons, Inc. We also thank the staff of the Southern Institute of Forest Genetics, USDA Forest Service, Southern Research Station, Saucier, MS for the tour and meal that they organized. Thanks also go to Andrea Benjamin and the staff of the LSU Office of Short Courses and Conferences for all of their help in organizing the conferences. We are especially indebted to Mary Bowen, Research Associate, School of Forestry, Wildlife, and Fisheries, for her assistance at the conference and for her help with assembling the conference proceedings.

25th SFTIC Organizing Committee

Michael Stine Steve Coleman
Ron Schmidting Charlie Matherne

25TH BIENNIAL
SOUTHERN FOREST TREE IMPROVEMENT CONFERENCE

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