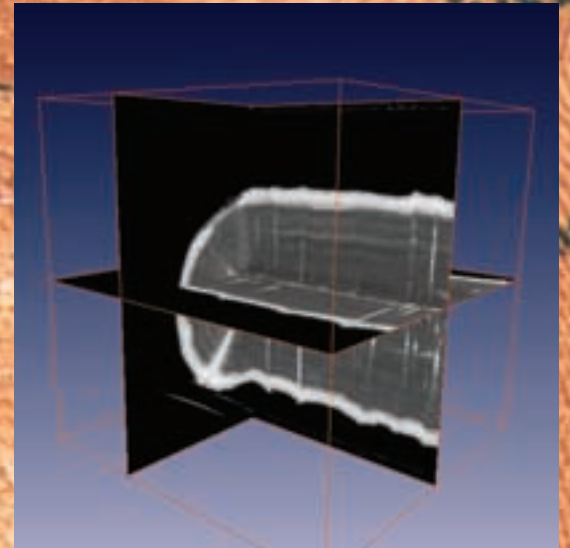


# IWSS 5



## Proceedings

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on Image Processing  
and Scanning of Wood*

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**Editor**

Alfred Rinnhofer

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Welcome to the Fifth International Conference on Image Processing and Scanning of Wood in Bad Waltersdorf, Austria. To continue the tradition of the conference as a forum for an international group of researchers, we have selected the Hotel and Spa “Der Steirerhof” to provide an ideal setting for relaxed discussions and brainstorming. To get to know each other personally and have the time to chat on topics to the conference program was found to be an important aspect of former meetings. We hope that this conference can also be the basis for future cooperation, as has happened at past conferences.

These meetings began in 1992 at the Luleå University of Technology, Skellefteå, Sweden, initiated by the Department of Wood Technology. After meetings in Sweden in 1992, 1995 and 1998, the conference was hosted in 2000 by the Virginia Tech Institute and the USDA Forest Service at Mountain Lake Resort in Virginia.

The common goal of the meetings is to investigate wood qualities in more detail and to understand better the advantages and limitations of this fantastic organic material better by means of scanning and digital image processing. When we compared the number of papers submitted in the different fields of research, we found a strong increase in work related to both internal and log scanning. This is strongly related to the expectation that industrial scanning systems, which can deliver information about internal structures, will be available in near future for sawmill operations.

Papers related to traditional surface scanning and color inspection have markedly decreased, as well as those concerning image processing oriented contributions.

We would like to thank all the authors for their presentations and papers prepared for the conference, and all the attendees for discussions and productive feedback.

We also wish to thank Mr. Owe Lindgren in his capacity as Co-Chairman for his advice and assistance in organizing this conference, as well as the organization team from the last conference, A. Lynn Abbott, Philip A. Araman, D. Earl Kline and Daniel L. Schmoltdt.

Finally, we hope that you have an enjoyable time both at the conference sessions and outside of them.

Albert Niel, Alfred Rinnhofer  
JOANNEUM RESEARCH



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