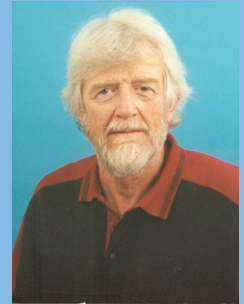


PULP FIBRE - from Forest to Paper End-Use

Seminars and Consulting Services

offered by Dr Paul Kibblewhite, world leading authority on Kraft and Mechanical Pulp Fibre Quality

Dr Kibblewhite is in demand internationally having been contracted recently to deliver seminars and provide consulting services to major companies in New Zealand and Australia, North America, South America, Scandinavia, Europe and Asia. Consulting has generally led on from seminars and involved wood-fibre quality relationships as they influence wood and pulp processing, product quality and product development issues.

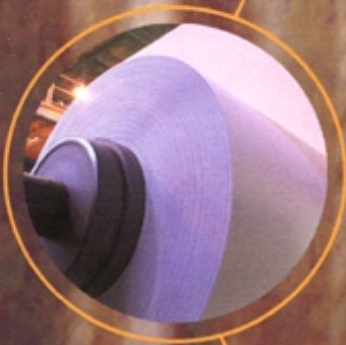


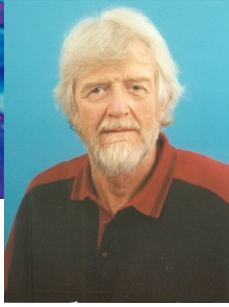
Seminars encompassing the topics below can be tailored to meet a customer's need and can be of short (1-2 hours) or extended duration (0.5-3 days). Seminars can be presented at the customer's site where particular issues can be discussed in depth or alternatively can be provided via teleconference or video conference in cases where the cost of travel is prohibitive.

Seminar Topics

A full list of seminars and contents is available on request

- ▶ MARKET KRAFT PULPS OF THE FUTURE
- ▶ FIBRE INFLUENCES ON PROCESS AND PRODUCT: FOREST TO END-USE
- ▶ KRAFT PULP REFINING
- ▶ SOME SOFTWOOD KRAFT REINFORCEMENT ISSUES
- ▶ MECHANICAL PULP (TMP, GW and CMP) FIBRE, FINES AND WOOD QUALITY ISSUES
- ▶ FIBRE QUALITY REQUIREMENTS OF FIBRE-CEMENT COMPOSITES
- ▶ FIBRE INFLUENCES ON LINERBOARD QUALITY
- ▶ FIBRE INFLUENCES ON TISSUE QUALITY
- ▶ QUALITIES OF RECYCLED FIBRES
- ▶ HARDWOOD AND SOFTWOOD TREE SELECTION STRATEGIES OF THE FUTURE





Dr Paul Kibblewhite

Professional Expertise

Dr Kibblewhite has over 30 years' research experience in fibres for pulp and papermaking.

His specialist areas include:

- Wood, fibre, and pulp-product property relationships for softwood and hardwood chemical and mechanical pulp
- Papermaking fibres: their qualities, variabilities, refining requirements, and end-use suitability
- Fibre quality benchmarking against existing products
- Product development: fibre selection, modification, and processing, and their influences on product quality and performance
- Forest resource assessment for fibre types and qualities; their benchmarking against existing products, processing options, and product suitability
- Product-driven tree selection for designer fibres in softwood and hardwood (eucalypt, acacia, poplar) plantations
- Web reinforcement and runnability: influence of softwood fibre type, refining conditions, and furnish blend
- Refining response of softwood and hardwood chemical pulps and fibre types: stock consistency, specific edge load, energy, separate refining and co-refining, pulp uniformity, product quality, and end-use suitability
- Fibre, furnish, pulp processing and product quality trouble-shooting
- Technology transfer seminars

Experience

More than 30 years' experience in long-term fundamental and applied research, project management, technical marketing, contract research and consulting; the last 17 years as a fibre and paper scientist with the Pulp and Paper Research Organisation of New Zealand (PAPRO) at ensis. More than 125 published papers including one patent, and over 250 consulting assignments/reports.

A brochure giving detailed contents of each of the seminars listed is available.

For further information, please contact:

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