

МММР

**The
Marcus Wallenberg Prize
for Forestry and Forest Products
Research**

”...to recognize, encourage and stimulate path-breaking scientific achievements, which significantly contribute to broader knowledge and/or technical development within the broad fields of interest to the forest products industry”

**The
Marcus Wallenberg Prize
was instituted by the shareholders of
Stora Kopparbergs Bergslags AB
in 1980**

**Dr. Marcus Wallenberg and the first Prize-
winner,
Harry Hutchinson Holton, 1981**



MWP Prize-winners 1 (6)

Harry Hutchinson Holton, Canada. Anthraquinone in alkaline pulping

Ricardo O Foschi, Canada. Mathematical models of wood structures

Bruno Andersson, Egon Höglund, Bertil Johansson, Bengt Thöresson,
Sweden. Serpentine fabric in paper drying

Leopoldo G Brandão, Edgard Campinhos, Jr, Ney M Dos Santos, Yara
K Ikemori, Brazil. Brazilian eucalypt plantation improvement

MWP Prize-winners 2 (6)

Karl-Erik Eriksson, Sweden, and T. Kent Kirk, USA. Fungal degradation of wood

Johan Gulliksen, Finland. Medium consistency technology

Derek Barns and Mark T. Churchland, Canada. Composite wood products

Bernhard Ulrich, Germany. Forest ecosystem science

Torsten Ingestad, Sweden. Nutrient uptake by trees

MWP Prize-winners 3 (6)

Donald H. Marx, USA. Mycorrhizal science

Nils Hartler and Ants Teder, Sweden. Extended alkaline delignification

Gene Namkoong, Canada. Genetic resource science

Lennart Eriksson, Gerdt Fladda, Thorulf Pettersson, Sweden. Optical characterization of fibers and pulp

MWP Prize-winners 4 (6)

Erkki Tomppo, Finland. Multi-source forest inventory

Keith Miles and Donald May, Canada. Wood chip refining intensity

Pekka Eskelinen, Raimo Virta and Vesa Vuorinen, Finland. Air blowing stabilization of paper webs

Robert H Leicester, Australia. Structure, performance and safety in wood building

MWP Prize-winners 5 (6)

Robert Evans, Australia. Silviscan assessment of wood quality

Melvin T Tyree, USA. Water transport in trees

Johanna Buchert, Maija Tenkanen, Tapani Vuorinen, Finland, and Anita Teleman, Sweden. Hexenuronic acid in pulping

Paul Olof Meinander, Finland. Wet-end papermaking technology

HM King with 2004 Prize-winner Paul Olof Meinander and wife



MWP Prize-winners 6 (6)

Tom Kjelgaard, Katarina Magnusson and Ulf Ringdahl
Sweden.

Retortable paperboard packaging material for foodstuff

HM King awarding the 2005 Prize-winners Tom
Kjelgaard,
Katarina Magnusson and Ulf Ringdahl



The Marcus Wallenberg Foundation Board members

Mr. Marcus Wallenberg (Chairman)

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- Professor Antti Arjas, Finland
- Professor Jeffery Burley, Chairman, UK
- Professor Robert Johnston, Australia
- Professor Gunilla Jönson, Sweden
- Professor Bruce Lyne, Sweden
- Dr Mark Churchland, Canada

The Marcus Wallenberg Prize Secretariat

- Per G. Broman, Secretary, Sweden
- Kerstin Tordmar, Assistant, Sweden

2005 co-winner, Mr. Tom Kjelgaard,
giving the acceptance speech on behalf of
the laureates



Mr. Marcus Wallenberg, welcoming guests to the 2005 award dinner



OD quire entertaining the award dinner guests



The Marcus Wallenberg Prize

Requirements for an award

Significant and path breaking achievement

A single achievement supported by published documentation or demonstrated application

The Prize includes an award of two million Swedish Crowns

The Marcus Wallenberg Prize

Specific possible new topics – 1 (2)

Genetic modification of lignin, cellulose

Molecular control of physiological processes (eg flowering; tolerance of difficult site conditions such as salinity; adaptation to climate change and pollution; disease resistance)

Diversification and improved quantity and quality of non-wood products and services

Development of low-impact harvesting

Utilization of low grade biomass for solid products, substitutes and energy

Development of veneer lathes for small diameters

Development of continuous steam injection press for endless boards and LVL

Development of wood in structures

Improved drying of solid wood

Closure of mill systems

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Specific possible new topics – 2 (2)

Development of biocides, enzymes and bleaching in pulping

Black liquor chemical recovery and energy generation

Understanding wet end chemistry

Improved paper and board drying

Improved de-inking and increased recycling

Alkaline paper-making and sizing

Increasing paper machine speed

Improvement of high speed film applicators

Improvement of mill-wide control systems

Improvement of high consistency screening

Development of hot, soft nip calendering

Improvement of chip quality control

Modelling of ecosystems, forest sector, pulp and paper making, and recovery boilers

The Marcus Wallenberg Symposium

A symposium is arranged in conjunction with the Prize awarding ceremony to explain the awarded achievements to a wider audience and to place the results in a broader context of development and application

The Marcus Wallenberg Symposium

2005 Symposium title

“Product Development and Profitability”

Speakers:

Göran Harrysson, Tetra Pak

Katarina Magnusson, Tetra Pak

Parry M. Norling, Chemical Heritage Foundation

Kennert Johansson, STFI-Packforsk

Magnus Wikström, Korsnäs

Gunilla Jönson, Lund University

Mr. Marcus Wallenberg, opening the 2005 Symposium



Mrs Katarina Magnusson explaining the award winning research at the 2005 Symposium



Panel discussion during the 2005 MWP symposium



The Marcus Wallenberg Symposium

**Interested in knowing what happened at the
Symposium?**

Just drop your business card and we will mail
a DVD-recording from the presentations and panel discussion

The Marcus Wallenberg Prize

Interested in knowing more about how to nominate candidates for the Prize?

Have a look at our website [www.mwp.org]

email [info@mwp.org]

write [Marcus Wallenberg Foundation, SE-791 80
Falun, Sweden]

or call, [+46 23 78 80 14]

We look forward to your contact!