

THE MARCUS WALLENBERG PRIZE

Nomination of Candidates

The purpose of the Prize is to recognize, encourage and stimulate pathbreaking scientific achievements which contribute significantly to broadening knowledge and technical development within fields of importance to the forest industries.

The Prize includes an award of two million Swedish Crowns.

The Marcus Wallenberg Foundation relies upon the assistance of nominations from organizations such as yours and an appointed Prize Selection Committee to select worthy Prize winners.

All nominations will be treated confidentially by the Foundation.

Falun, October, 2009

Gunilla Jönson
Ph.D., Professor
Chairman of the
Selection Committee

Per G. Broman
Lic. Eng.
Secretary of the
Selection Committee
and the Board

Stipulations for the Nomination

Candidates for nomination shall have made a significant and pathbreaking achievement within the disciplines of science or engineering. The achievement shall be within a field important to forestry and/or the forest products industries and should contribute to the goal of sustainable development of forest resources and/or of the forest products industries.

The achievement shall be a single accomplishment and must be supported by reference to published documentation or demonstrated application.

The Prize will be awarded to an individual, or normally not more than four if the achievement is made by a team, judged to have made the scientific or engineering contributions most critical to the success of the innovation. The Prize may be shared by individuals who were not members of the same team if the committee determines that each individual made a critical contribution of essentially equal merit to the success of the achievement.

The Prize is international in scope and the achievement of the candidate(s) shall normally have been made or brought to successful fruition within the ten years preceding the date of the nomination.

A nomination must clearly define the nature of the achievement, the specific role of each nominee, and the reasons why, in the nominator's judgement, the achievement is **significant and pathbreaking** and is worthy of the Prize.

Candidates may not nominate themselves for the Prize and the Foundation will not accept information in support of a nomination at any time if it is submitted directly by a candidate. Further, it is desirable that candidates should not be aware of their nominations.

An important purpose of the Prize is to stimulate further achievements by the Prize winner(s) and to provide encouragement to others in the selected field of science or engineering. The candidate(s) should, therefore, still be active in a field of the Prize at the time of their nomination.

The Prize will not be awarded to any candidate on the basis of cumulative accomplishments made over a lifetime career, or in those cases where the candidate has already received internationally recognized honors for the same achievement.

Further information

Recognizing the many economic, environmental and social roles that forests and forest products play in human development and welfare, the Prize may be awarded to an innovative scientific achievement that has proven or, in the opinion of the Selection Committee and Board, to have potential broad application to the wise conservation and management of forests and/or to the sustainable development of forest products industries and their manufacturing processes. A breakthrough may fall within, but is not necessarily limited to, the fields of importance listed below:

Forestry: *genetics, systematics and tree breeding; silviculture and agroforestry; forest ecology and tree physiology; biometrics, computing and remote sensing; forest management, forest protection and forestry operations.*

Forest Products Industries: *forest products including wood and wood processing; papermaking fibers; paper and paper board and processes for their manufacture; packaging and printing; the recycling of forest products, and innovations to improve their use and environmental performance.*

Nominations remain under active consideration by the Selection Committee for a period of three years after submission. During this period the nominators may be approached by the Foundation for additional information in support of their nomination. They are also encouraged to forward to the Foundation, at any time during this period, additional information concerning their nominee(s) or the achievement which they believe will be useful to the Selection Committee in its evaluation of the nomination.

The Committee will not consider letters of endorsement from other organizations or individuals in support of the candidate nominated by your organization.

The Selection Committee appoints internationally recognized specialists in the subject matter of the achievement to carry out a review of the published information and to make recommendations to the committee on the scientific or engineering merits of the achievement, and to determine whether, in their opinion, the nominee(s) had made the critical contribution(s) to the success of the achievement. The Selection Committee meets twice a year to review the reports of the appointed readers and to consider all active nominations.

The Selection Committee reserves the right to delete or add candidates nominated for the award, if, in its judgement, based on evidence available to it, an ineligible candidate has been included or a worthy candidate has been excluded from the nomination.

The Format of the Nomination

The nomination shall identify name(s), affiliation(s) and private address(es) of the candidate(s). It shall describe one, and only one, achievement of the candidate(s) in a field of science or engineering which satisfies the stipulations for the Prize. A short C.V. and a photograph of each candidate will also be appreciated.

For its evaluation of a nomination the Selection Committee will under normal circumstances rely on published information in scientific and/or professional technical journals as well as in patent descriptions. At a later date the nominator may be asked to provide copies of publications that are not readily available through libraries or information data bases. In the case of commercial developments, additional information may be requested to define the scientific and/or technical innovation embodied in the achievement and the extent to which it is already in use.

Nominations received before July 1 will be considered during the current year. Nominations received after that date will be considered during the following year. The Foundation acknowledges receipt of all nominations and advises nominators if additional information is required.

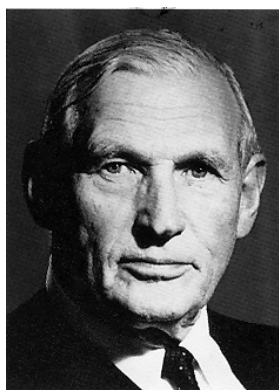
All nomination documents should be in English. The only exception is for copies of original publications made in another language, and in such cases a summary of the publication should be provided in English.

Nominations and any other correspondence should be mailed to:

The Marcus Wallenberg Foundation
The Selection Committee
Attention: Mrs. Kerstin Tordmar
SE-791 80 Falun, Sweden

Telephone: +46 (0)1046 71214
Telefax: +46 (0)23 71 15 81
E-mail: info@mwp.org

More information about the Prize is available on the Internet: <http://www.mwp.org>



Dr. Marcus Wallenberg was born on October 5, 1899, and passed away on September 13, 1982. He held an outstanding and unique position in financial and industrial circles, both in Sweden and abroad, and was intensely active up to just a few weeks before his death.

Dr. Wallenberg was managing director and subsequently chairman of Stockholm Enskilda Bank, and later chairman and honorary chairman of Skandinaviska Enskilda Banken. He was chairman and honorary chairman of a number of Swedish and international organizations and companies, and is considered to be the most respected industrialist that Sweden has ever had.

Dr. Wallenberg became deputy chairman of Stora Kopparbergs Bergslags AB in 1944 and chairman in 1976. From 1980 he was honorary chairman of the company.

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The Marcus Wallenberg Prize was instituted by Stora Kopparbergs Bergslags AB at its Annual Meeting in 1980 to commemorate the services rendered by Dr. Marcus Wallenberg during his long term as member and chairman of the Board of Directors.

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Board of Directors of the Marcus Wallenberg Foundation

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Stockholm, Sweden

Senior Executive Vice President, Stora Enso

Prize Selection Committee

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Professor, LTH/Lund University

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Skellefteå, Sweden
Professor, Luleå Technical University (LTU)

Tom Lindström, Ph.D.
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Professor, Royal Institute of Technology (KTH)

Ola Sallnäs, Ph.D.
Lund, Sweden
Professor, Swedish University of Agricultural Sciences (SLU)

Ulf R. Carlson
Göteborg, Sweden
Senior Advisor

Markku Karlsson, Ph.D.
Helsinki, Finland
Senior Vice President, UPM-Kymmene Corporation

Pasi Puttonen, D.Sc. (Forestry)
Helsinki, Finland
Professor of Silviculture, University of Helsinki & Director of Research, The Finnish Forest Research Institute

Prize Winners

Harry Hutchinson Holton, Canada.
Antraquinone in alkaline pulping.

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

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

Derek Barnes and **Mark T. Churchland**, Canada.
Composite wood products.

Torsten Ingestad, Sweden.
Nutrient uptake by trees.

Nils Hartler and **Ants Teder**, Sweden.
Extended alkaline delignification.

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

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

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

Melvin T. Tyree, USA.
Water transport in trees.

Paul Olof Meinander, Finland.
Wet end papermaking technology.

Antoine Kremer, France
Evolution, organization and distribution of the genetic diversity of Pan-European oaks.

Bjarne Holmbom and **Christer Eckerman**, Finland
Developing a platform for new applications of chemical components in wood.

Ricardo O. Foschi, Canada.
Mathematical models in wood structures.

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

Johan Gullichsen, Finland.
Medium consistency technology.

Bernhard Ulrich, Germany.
Forest ecosystem science.

Donald H. Marx, USA.
Mycorrhizal science.

Gene Namkoong, Canada.
Genetic resource science.

Erkki Tomppo, Finland.
Multisource forest inventory.

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

Robert Evans, Australia.
SilviScan assessment of wood quality.

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

Tom Kjelgaard, Katarina Magnusson and Ulf Ringdahl, Sweden.
Retortable paperboard packaging material for foodstuff.

Ove Nilsson, Sweden
Regulation of flowering time in trees.

Jouni Ikäheimo, Vesa Kajander and Bengt Welin, Finland
Direct drive system for paper machines.