

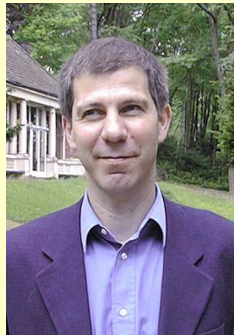


Fondation Francqui-Stichting

Fondation d'Utilité Publique - Stichting van Openbaar Nut

Ceremony of the Francqui Prize by His Majesty The King Albert II at the "Fondation Universitaire" on June 28, 2000

Report of the Jury



Marc Henneaux

Report of the Jury (April 29, 2000)

It has been proposed that the Francqui-Prize for the year 2000 be awarded to Professor Marc HENNEAUX for his outstanding contributions to our understanding of the fundamental forces in Nature. His work represents the marriage of hitherto uncommon concepts in physics and contemporary developments in mathematics and helps to pave the way to an unified view of natural laws, including the reconciliation of gravitation and quantum physics.

Professor HENNEAUX anticipated by more than ten years the anti de Sitter – conformal Field Theory correspondence, which is a crucial step towards understanding the challenge posed by incorporating Einstein's General Relativity into quantum mechanics. This leads among other things to an understanding of how black holes radiate without the loss of information. In his work he has also produced a very elegant reformulation of the work for which G. 't HOOFT and M. VELTMAN were awarded the 1999 Nobel Prize in physics which sheds new light on the applicability of gauge field theory to describe the elementary particles.

Jury members :

Professor Dr. Massimo. MAREZIO
SCENET
European Network for Superconductivity
MASPEC-CNR Institute

Parma - Italy

Chairman

and

Professor C.A. BATES

Dean of science
School of Physics & Astronomy
Nottingham - UK

Professor Lars BRINK

Institute of Theoretical Physics
Chalmers University of Technology
Göteborg - Sweden

Professor Predrag CVITANOVIC

Niels Bohr Institute
Copenhagen - Denmark

Professor Dr . P.J.G.M. de WIT

Laboratory of Phytopathology
Wageningen University
The Netherlands

Professor Mildred S. DRESSELHAUS

Institute Professor of Electrical Engineering and Physics - MIT
Cambridge, Massachusetts - USA

Professor W. GELLETLY

Head of School of Physics and Chemistry
University of Surrey
Surrey - UK

Professor Michael HALL

Biozentrum University of Basel
Department of Biochemistry
Basel - Switzerland

Professor Yngve OHRN

Professor of Chemistry and Physics
University of Florida
QTP-An Institute for Theory and Computation in Molecular and Materials Sciences
Gainesville, Florida - USA

Professor E.P.J. van den HEUVEL

Director
Astronomical Institute « Anton Pannekoek » and Center for High Energy Astrophysics
University of Amsterdam
Amsterdam - The Netherlands

Professor R. VILLAR

Rector of Universidad Autonoma de Madrid
Spain

Professor P. WYDER

Max-Planck Institut für Festkörperforschung
Hochfeld-Magnetlabor-MPI-CNRS
Grenoble - France

