



# Fondation Francqui-Stichting

Fondation d'Utilité Publique - Stichting van Openbaar Nut

## **Ceremony of the Francqui Prize by His Majesty The King Albert II and the Queen Paola at the "Fondation Universitaire" on June 23, 1994**

### *Curriculum Vitae - Report of the Jury*

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Eric Derouane

### ***Curriculum Vitae***

Born in Péruwelz (Belgium) 4th July, 1944

Master of Arts (Chemistry), Princeton University, USA, 1966

Dr. Sc. (Chemistry), Liège University, Belgium, 1968

Full Professor with tenure at the Facultés Universitaires N.D. de la Paix (FUNDP)

Director of the Catalysis Laboratory (FUNDP) since 1974

Vice-Chairman of the Institute for Studies in Interface Science (FUNDP)

(Interuniversity pole of attraction IPA-ISIS : Belgian Ministry for Scientific Programming and Prime Minister's office), since 1987

Visiting Scholar, Princeton University, 1979

Research Fellow, Exxon R&D Corporation, Central Research Division, 1979

Director, Exploratory Catalysts Synthesis Group, Mobil R&D Corporation, Central Research Laboratory, 1982-1984

Visiting Scholar, Stanford University, 1990

#### *Other Main professional activities*

Chairman of the "Catalysis" contact group of the "Fonds National Belge de la Recherche Scientifique" (FNRS)

Chairman of the Modern Catalysis working party of the Royal BACAS

Chairman of the Catalysis Division of the Société Royale de Chimie (Belgium)

Vice-Chairman of the European Federation of Catalysis Societies (EFCATS)

Secretary and Treasurer of EUROCAT (European Association of Catalysis)

Member of the Inorganic and Organic Chemistry committee of the Fonds

National Belge de la Recherche Scientifique (FNRS)  
Editor-in-chief of the Journal of Molecular Catalysis  
Member of the editorial board of Zeolites  
Member of the Council of International Congresses on Catalysis  
Member of the Board of the European Materials Research Society  
Scientific adviser and consultant to a number of industries and to the European Communities Commission

#### *Main Honours*

Corresponding member of the Académie Royale des Sciences, des Lettres et des Beaux-Arts de Belgique  
Associate member of the Royal Belgian Academy Council of Applied Sciences (Royal BACAS)  
Associate member of the European Academy of Arts, Sciences and Humanities  
Member of the New York Academy of Sciences  
Wauters, Mund and Annual Prizes of the Société Royale de Chimie (Belgium)  
Stas-Spring and Adolphe Wetrems Prizes of the Académie Royale de Belgique  
Cercle des Alumni Prize of the Belgian University Foundation  
Ciapetta lecturer of the North American Catalysis Society  
Lecturer with the Catalysis Division of the Société Chimique of France  
Member of a number of national and international professional associations

#### *Scientific output*

Meetings, conferences : active participation more than 260 times, in excess of 100 invited or plenary lectures  
Publications : approximately 310  
other publications by the laboratory : 150  
Patents : 60, 25 of which granted by the US Patent Office  
Book : 8  
Monographs (distributed by Catalytica Inc., USA) : 3 as sole author and 9 as co-author  
Organization of international conferences and meetings : more than 10, of which 3 NATO Advanced Study Institutes (1975, 1982, 1991), 2 NATO Advanced Research Workshops (1988, 1989), 2 EUCHEM conferences (1977, 1988)

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#### *Report of the Jury (April 9, 1994)*

In consideration of the outstanding contribution of Professor Eric Derouane to the understanding of the molecular mechanism of catalytic reactions in zeolites, in particular the novel concepts of restricted transition state shape selectivity, molecular traffic control and the effect of confinement, and taking into account that the fundamental studies in the field led to technological progress of great value to the welfare of the society, decide to propose to the Board of Trustees to grant the Francqui Prize 1994 to Mr. Eric G. Derouane, Professor at the Facultés Universitaires Notre-Dame de la Paix à Namur.

The Jury recognizes with great satisfaction the very high level of the candidates

presented, which reflects an outstanding standard of research in exact sciences at Belgian universities.

Jury members :

**Professor Jerzy HABER**

Professor at the Institute of Catalysis and Surface Chemistry  
Krakov - Poland

*Chairman*

and

**Professor Johan ASTRÖM**

Professor at the Lund Institute of Technology  
Lund University  
Sweden

**Professor Pierre BAUER**

Directeur de Recherche au CNRS  
Directeur du Service d'Aéronomie  
Verrière-le-Buisson - France

**Professor Peter BAYLEY**

Member of the Senior Scientific Staff - Medical Research Council  
National Institute for Medical Research  
London - UK

**Professor Ralph A. BRADSHAW**

Professor at the University of California  
Irvine - USA

**Professor Julio E. CELIS**

Professor at the Danish Centre for Human Genome Research  
Aarhus - Denmark

**Professor Tord CLAESON**

Professor at the Chalmers University of Technology  
Göteborg University  
Sweden

**Professor Paul A. KELLY**

Professor at the Faculté de Médecine Necker-Enfants Malades  
Directeur de l'INSERM Unité 344 - Endocrinologie Moléculaire  
Paris - France

**Professor E. PAYNE**

Professor at the Institute of Colorado  
Denver - USA

**Professor Mandred RÜHLE**

Director at the Max-Planck-Institut für Metallforschung  
Professor at the University of Stuttgart  
Germany

**Professor Floris TAKENS**

Professor at the University of Groningen  
The Netherlands

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