

# **Euro-CASE**

## Annual Report 2005



**Euro-CASE**

European Council of Applied  
Sciences, Technologies and Engineering





## **Chairman's Statement by Valentin Van den Balck**

The organisation of Euro-CASE and its activities depend totally on the direct support and participation of the 18 member academies and the associate academy. It is their backing that lends weight to the Euro-CASE key words "excellence, independence and added European value" and made 2005 into yet another good Euro-CASE year. I thank our academies for their contributions and support to Euro-CASE over the past year. The experts that they nominate to support our projects provide an exceptional incentive to our activities.

We had the pleasure of welcoming the Croatian Academy of Engineering as associated member of Euro-CASE.

The strong participation rate at the six-monthly Board meetings, gathering between 25 and 30 senior representatives coming from all over Europe, is a clear sign of the keen commitment to Euro-CASE. Our Board meetings are conducted in a clear European spirit and constitute a valuable forum for review and decisions on activities and projects.

Our quarterly Executive Committee meetings enable us to study our programmes in detail and to prepare the decisions to be taken by the Board.

The Finance Committee meets once a year and advises the Board regarding budgets and resources.

In 2005 we have continued our efforts to reinforce our organisation and adequately enhance its visibility. Experience gained to date clearly shows that the Euro-CASE concept works. Its independence, its unique ability to gather and apply the best European expertise on specific projects, and its extremely cost-effective and pragmatic working methods are fundamental for providing advice to European Institutions. A reserve fund will further strengthen the financial basis for our activities.

We have continued to organise and develop the European IST Prize scheme with the sponsorship and support of the Information Society Technologies Programme of the European Commission. With eleven years of uninterrupted growing success, international recognition and huge interest from investors, the European IST Prize has become a standard reference and attracts an increasing number of applications from companies in the 33 countries to which it is open.

The Science Generation project has come to an end, with the organisation of its final workshop in Brussels on 8 March.

A report on "Patentability of Computer-implemented Inventions" has been produced by our experts and disseminated to our academies and relevant institutions.

The Euro-CASE Platform on Energy/ Environment has continued its activities and organised a workshop on 27 August 2005 in Zürich: "Contribution of "Buildings" in Europe to meet the Kyoto objectives". Activities on "Innovation and Technology" and "Engineering Education" have been discussed in depth and are ready for implementation.

Again this year, I address my most sincere gratitude to our small and efficient secretariat: Pierre Fillet, Alain Mongon, Helle Bonnet and Nadia Pipunic, for their enthusiasm, dedication and achievements.

Leaving statutory the chair after four exciting years I thank my colleagues from the Executive Committee, the Board and the secretariat for their support and contributions to ensuring the steady success of Euro-CASE and for an exemplary co-operation. I have enjoyed our stimulating discussions and meetings and I wish my successor Dr Ben Veltman every success as the new Chairman.

## Euro-CASE

The European Council of Applied Sciences, Technologies and Engineering is a European non-profit-making organisation of national academies of Applied Sciences, Technologies and Engineering from 19 European countries. Euro-CASE has access to top level European experience and provides impartial, independent and balanced advice on technological issues with a clear European dimension.

Through its member academies, Euro-CASE acts as a permanent forum for exchange and consultation between European Institutions, Industry and Research.

The individual members of the Euro-CASE academies are elected for their excellence and knowledge in specific fields and for their contributions to technologic, scientific, economic and social progress. This unique resource of experts, counting some 6,000 individual Fellows of 19 national academies, is the core of Euro-CASE.

Euro-CASE organises the prestigious European IST Prize with the support and sponsorship of the IST Programme of the European Commission.

### The Euro-CASE Board

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Dr Irene Aegerter (CH), Swiss Academy of Engineering Sciences, SATW  
Mr Yannis Alavanos (EL), Technical Chamber of Greece  
Mr José Manuel Rosado Catarino (PT), Portuguese Academy of Engineering  
Prof. Alessandro Clerici (IT), Italian Council of Applied Science and Engineering, FAST/Cisai  
Mr Keith Davis (UK), The Royal Academy of Engineering, RAEng  
Mr Emmanuel Drakakis (EL), Technical Chamber of Greece  
Mr Pierre Fillet (FR), National Academy of Technologies of France, NATF, Secretary General  
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Mr Bruno Jarry (FR), National Academy of Technologies of France, NATF  
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Prof. Lena Treschow Torell (SE), Royal Swedish Academy of Engineering Sciences, IVA  
Mr Valentin Van den Balck (BE), Royal Belgian Academy Council of Applied Sciences, Royal BACAS, Chairman  
Mr Jacques Van de Berg (BE), Royal Belgian Academy Council of Applied Sciences, Royal BACAS  
Dr Ben Veltman (NL), Netherlands Society of Technological Sciences and Engineering, NFTW  
Prof. Petr Zuna (CZ), Engineering Academy of the Czech Republic, EACR

#### ***The Euro-CASE Executive Committee***

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Prof. Reiner Kopp (DE)  
Ir Hendrik Kuiken (NL), Treasurer  
Prof. Emanuel Maranha das Neves (PT)  
Prof. Franz Pischinger (DE)  
Mr Peter Saraga (UK)  
Dr Guiseppe Sironi (IT)  
Mr Valentin Van den Balck (BE), Chairman  
Dr Ben Veltman (NL), Vice Chairman

#### ***The Euro-CASE Finance Committee***

Mr Pierre Fillet (FR), NATF, Secretary General  
Ir. Hendrik Kuiken (NL), NFTW, Treasurer, Chairman of the Finance Committee  
Mr Christian Marbach (FR), NATF  
Mr Alain Mongon (Euro-CASE), Executive Adviser  
Prof. Franz Pischinger (DE)  
Prof. Ernest Shannon (UK), Past Chairman of the Finance Committee  
Mr Knud Sørensen (DK), ATV  
Mr Valentin Van den Balck (BE), Chairman of Euro-CASE

#### ***The Euro-CASE secretariat***

Mr Pierre Fillet, Secretary General, NATF  
Mr Alain Mongon, Executive Adviser  
Mr Bruno Jarry, Adviser  
Ms Helle Bonnet, Administrator  
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## **Euro-CASE activities**

2005 has been marked by our efforts to reinforce Euro-CASE's position in Europe as a unique, independent and resourceful adviser, to raise funds for a stronger organisation and new activities. A reserve fund is under establishment. Euro-CASE's activities has been organised in "platforms".

### **Energy and Environment**

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#### ***The Euro-CASE "Energy and Environment" Platform***

Dr Irene Aegerter (CH)  
Prof. Arne Bjørlykke (NO)  
Mr Paul Caseau (FR)  
Prof. Antonio Colino (ES)  
Dr Eduard Kiener (CH)  
Dr Hans Larsen (DK)  
Prof. Michael Laughton (UK)  
Mr Alain Mongon (Euro-CASE)  
Dr Göran Persson (SE), Chairman  
Prof. Othmar Preining (AT)  
Mr Jean-Jacques Van de Berg (BE)

The platform has explored means of obtaining external financial contributions to its work. A workshop has been organised on 27 August 2005, Zürich: "Contribution of "Buildings" in Europe to meet the Kyoto objectives".

Euro-CASE thanks Dr Aegerter, Dr Kiener and SATW.

Euro-CASE thanks the Energy/Environment Platform for its work.

### **Science Generation**

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The "Science Generation" contract ended in mid-2005. The role of Euro-CASE was to provide a European dimension to the Science Generation project, a large three-year project supported by the European Commission with two principal contractors, FAST/Cisai (IT) and IVA (SE), coordinated by the Foundation Aventis - Institut de France Foundation, now Sanofi-Avantis – Institut de France. The objective was to bring Biosciences closer to the general public.

Over the past three years Euro-CASE has organised five workshops to disseminate the information of results obtained with the "Science Generation" project and to provide the usual European added value in the form of experience provided by the academies.

Milan, 13 March 2003 (“Southern” Europe)  
Dublin, 22 March 2004 (“Western” Europe)  
Stockholm, 27 August 2004 (“Northern” Europe)  
Vienna, 28 October 2004 (“Central” and “Eastern” Europe)  
Brussels, 8 March 2005 (final workshop).

Euro-CASE thanks to two participating academies, FAST/Cisai and IVA for their contributions.

## **The European IST Prize**

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Due to its unique position and access to European top expertise, Euro-CASE has been entrusted with the organisation of the European IST Prize since its inception in 1995. The Prize scheme is organised with the sponsorship and support of the Information Society Technologies Programme of the European Commission.

The European IST Prize is the most distinguished award for innovative products and services in the field of Information Society Technologies. The Prize is open to companies and organisations that present an innovative IST product/service with a promising market potential. The high standards of applicants and the competitive evaluation procedure make this Prize the standard reference recognising major achievements in the ICT world of today.

Experience from the past years demonstrates that the European IST Prize facilitates the start-up phase and access to finance for the Prize Nominees and Winners. The criteria of innovation and market potential reveal solidity and sustainability and guarantee a valuable quality label to the Nominees and Winners.

Over the past 11 years 3,358 companies from 33 countries have applied for the Prize, 257 Nominees from 22 countries (the Nominees were introduced in 2002), 220 Winners from 23 countries and 30 Grand Prize Winners from 12 countries have been awarded.

On the closing date for application, 12 May 2005, Euro-CASE had received 213 applications from 26 countries.

All the applications were assessed by the European IST Prize evaluation group, consisting of independent experts nominated by the Euro-CASE academies and agreed by the European Commission.

66 “Nominees for the European IST Prize” were proposed to the European Commission among all applicants. The Commission took the decision. The Prize Nominees were awarded the quality label “European IST Prize Nominee”.

Among the “Prize Nominees”, Euro-CASE proposed 20 “Nominees for the European IST Grand Prize” to the European Commission. The Commission took the decision. The “Nominees for the European IST Grand Prize” exhibited their product at the European IST Prize Exhibition in the Charlemagne Building in Brussels on 30 November-1 December 2005.

Hereafter the European IST Prize Executive Jury, composed of European executives nominated by the Euro-CASE academies and agreed by the European Commission, proposed to nominate the 20 “Nominees for the European IST Grand Prize” as “European IST Prize Winners”. Among the 20 Grand Prize Nominees the Executive Jury proposed 3 Grand Prize Winners to the European Commission. The Commission took the decision. The Executive Jury was chaired by Mr Guy Demuyne, Member of the Executive Board of KPN and CEO of KPN Mobile.



From the European IST Prize Exhibition

The European IST Prize Awards Ceremony will take place on 22 March 2006 at the Hofburg in Vienna. Mr Hubert Gorbach, Vice Chancellor of the Republic of Austria, Mrs Viviane Reding, Member of the European Commission, Mr Edouard Mainoni, Austrian State Secretary of the Federal Ministry for Transport, Innovation and Technology, and Prof. Herbert Mang, President of the Austrian Academy of Sciences, will award the Grand Prize Winners.

The monetary Prizes for the 2006 European IST Prize are still to be confirmed.

Euro-CASE thanks the Austrian Government and the Austrian Academy of Sciences for their support.

Euro-CASE thanks the academies and the members of the evaluation panels for their strong support to the European IST Prize.



From the European IST Prize Exhibition

### ***The Nominees for the European IST Prize***

3Dsolar (UK), Advestigo (FR), ALT Locking (FI), Ambient Systems (NL), Aprico Consultants (BE), Articque (FR), Bison Schweiz (CH), Cavendish Kinetics (NL), Centrica (IT), Comodo (UK), Coolux (DE), CoreMedia (DE), Creist (UK), Czech Technical University in Prague / Dept of Cybernetics (CZ), DeadMan's Handle (UK), Distributed Thinking (IT), DomesticSoft Europe (IS), EADS (FR), Everbee Networks (FR), fleXilution (DE), FotoNation (IR), FotoNation (IR), Fraunhofer IGD (DE), GMV (ES), GMV Sistemas (ES), Guardia (DK), Ilog (FR), Intesi Group (IT), inTrace (DE), iPLATO (UK), Kameleon Technologies (FR), Ksyos (NL), Laennext (FR), Lingenio (DE), MNI – Medicos Na Internet (PT), MorphoLogic (HU), M-Systems (IL), National Institute for Earth Physics (RO), Nexstim (FI), Next Limit (ES), Next Limit (ES), Optimal Solutions (SE), Panda Software (ES), Parkaid (IT), Posteasy (FR), Reflect (DE), RFIDSec (DK), Scytll Secure Electronic Voting (ES), Secured eMail (SE), Selectra (BG), Sibelius Software (UK), Sight'Up (FR), SimSurgery (NO), SouthWing (ES), SpeedScript (CH), Transatel (FR), Trusted Logic (FR), Ubiwave (BE), Validy (FR), Vladimir Cervenka Consulting (CZ), VoiceObjects (DE), Web Models (IT), XimetriX Network thoughts (ES), xThink Deutschland (DE), Zonith (DK), ZOOtech (UK).

### ***The Nominees for the European IST Grand Prize***

3Dsolar (UK), Advestigo (FR), Cavendish Kinetics (NL), Centrica (IT), Creist (UK), Czech Technical University in Prague/Dept of Cybernetics (CZ), EADS (FR), fleXilution (DE), FotoNation (IR), Fraunhofer IGD (DE), Guardia (DK), InTrace (DE), Laennext (FR), National Institute for Earth Physics (RO), Nexstim (FI), Next Limit (ES), Next Limit (ES), SimSurgery (NO), SouthWing (E), ZOOtech (UK).

### ***The European IST Prize evaluation group***

Prof. Einar Aas (NO), Norwegian University of Science and Technology, Norwegian Academy of Technological Sciences, NTVA  
Prof. John Byrne (IE), Irish Academy of Engineering  
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Mr Yiannis Loumakis (EL), Decision Systems Integration  
Dr. Hannu Martikainen (FI), Emtele, Finnish Academies of Technology, FACTE  
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Mr Eldert van Schagen (NL), VIP's, Netherlands' Society of Technological Sciences and Engineering, NFTW

### ***The European IST Prize Executive Jury***

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### ***In charge of the European IST Prize***

For the European Commission: Ms Linda Jones  
For Euro-CASE: Mr Alain Mongon

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