



EUROPEAN ACADEMY OF SCIENCES

IN SUPPORT OF EXCELLENCE IN SCIENCE AND TECHNOLOGY

Symposium November 18th, 2016

08:00 – 09:00 am : Registration

09:00-09:45 am: Opening speeches (Prof. Charles Joachain, President of the Royal Academy of Belgium, the Representative of Minister Jean-Claude Marcourt, Prof. Claude Debru, President of EURASC)

Introductory Lecture: Prof. Catherine Bréchnignac

Part 1 . Trust / Distrust / Public Reception / Communication

Chairman of the session: Prof. Charles Joachain, Head of the Physics Division of EURASC, President of the Royal Academy of Belgium

09.45 – 10.15: **Prof. Martin Carrier (University of Bielefeld, Germany)**
« *Contentious Research: How to Respond to the Credibility Crisis of Science* »

10.15 – 10.45 : **Prof. Natividad Carpintero Santamaria (Madrid)**
« *Science and Social Communication* »

10.45 – 11.15 : Coffee Break

11.15 – 11.45 : **Prof. Claude Debru (Paris)**
« *A more inclusive science education: 'La main à la pâte' and beyond* »

11.45 – 12.15 : **Prof. Philippe Keraudren (EC, Brussels)**
« *Europe in a changing world : inclusive, innovative and reflective societies* »

12:20 – 02.00: Lunch

Part II. Sciences and Technologies of the Living: Promises, Resistances, Refusals, Violence

Chairman of the session: Prof. Antonio Camacho, Head of the Earth and Environmental Sciences Division of EURASC

02.00 – 02.30 : Prof. Jean-François Bach (Paris)

« *Refusals and Resistances in Medicine : the vaccinations* »

02.30 – 03.00 : Prof. Alain Fischer (Paris)

« *New perspectives in genetic therapies* »

03.00 – 03.30 : Prof. John R. Porter (Denmark)

« *Resistances to agricultural biotechnologies, agronomy and environment* »

Part III. Information Sciences and Technologies / Robotics / Nanotechnologies

Chairmen of the session: Prof. Hélène de Rode, Perpetual Secretary of EURASC, and Prof. Pierre Braunstein, Head of the Chemistry Division of EURASC

04.00 – 04.30 : Prof. Jean-Jacques Quisquater (Louvain-la-Neuve)

« *From cryptography as a science to a tool for an open and trusted society* »

04.30 – 05.00 : Prof. Pierre Braunstein (Strasbourg)

« *An environment that nurtured pioneering science and industry : a case study* »

05.00 – 05.30: Prof. François Guinot (Paris)

« *Technological innovation as a factor of penetration of science in society* »

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Evening Lecture

Chairman of the session: Christian Jourquin, member of the Royal Academy of Belgium

05.40 – 06.20 : Prof. Philippe Busquin

« *Making Europe a « Standard » for Science* »

Symposium and Ceremony of Awards November 19th, 2016

Part IV. Short term / Long term / Industry

Chairman of the session: Prof. Alberto Carpinteri, Head of the Engineering Sciences Division of EURASC

09.00 – 09.30 : **Prof. Yves Poulet (Namur)**

« *Law, a response to the risks of technology application?* »

09.30 – 10.00 : **Prof. Koenraad Debackere (Louvain)**

« *Research and the Industry of the Future* »

10.00 – 10.30 : **Prof. Torsten Wilholt (Germany)**

« *Why and in what sense ought scientific research to be free?* »

Conclusion of the Symposium

10.30 – 11.00 : **Prof. Claude Debru**, President of EURASC

11.00 – 11.20 : Coffee Break

11.20 – 12.00 : Ceremony of Awards of Blaise Pascal Medals, Delivery of diplomas to the new Fellows of EURASC, and photos

12.00 – 01.45 : Lunch

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Chairman of the Ceremony of Awards: Prof. Alain Tressaud, Vice President of EURASC

02.00 – 02.30 : Opening speeches of the Awardees Lectures

02.30 – 03.00 : Prof. Gianfranco Pacchioni, Blaise Pascal Medal in Chemistry

« *Two-dimensional oxides : new structures, new functions and new materials* »

03.00 – 03.30 : Prof. Ni-Bin Chang, Blaise Pascal Medal in Earth and Environmental Sciences

« *How does Artificial Intelligence work with Remote Sensing Technologies for multiscale Environmental Change Detection?* »

03.30 – 04.00 : Prof. Elvira Fortunato, Blaise Pascal Medal in Materials Science

« *Where Science Fiction meets reality?* »

04.00 – 04.15 : Final Conclusion by Prof. Claude Debru, President of EURASC