



## The Third High-Level Conference of Political, Industrial and Academic Leaders

### **SCIENCE AND INNOVATION -- OPEN TO THE WORLD** **Strengthening cooperation between the STS forum and the EU** **through the next Framework Programme “Horizon Europe”**

Participants' booklet



ITRE | Committee on Industry, Research and Energy

STOA | Science and Technology Options Assessment

STS *forum* | Science and Technology in Society *forum*

JETRO | Japan External Trade Organization



The Third High-Level Conference of  
Political, Industrial and Academic Leaders

**SCIENCE AND INNOVATION -- OPEN TO THE WORLD**

**Strengthening cooperation between the STS forum  
and the EU through the next Framework Programme  
“Horizon Europe”**

Participants' booklet

**17 May 2018, 15:00 - 18:15  
Paul Henri Spaak Building, PHS 03C050  
European Parliament, Brussels**

Available at: <http://www.europarl.europa.eu/stoa/cms/workshops/FPIX>

## CONTENTS

1.	INTRODUCTION .....	4
2.	PROGRAMME .....	5
3.	ABOUT THE STS FORUM .....	7
4.	ABOUT STOA .....	9
5.	ABOUT ITRE .....	11
6.	SPEAKERS .....	13

## 1. INTRODUCTION

### SCIENCE AND INNOVATION -- OPEN TO THE WORLD

EU support for research and innovation encourages cooperation between research teams across countries and disciplines that is vital in making breakthrough discoveries. It allows the EU to deliver on priorities such as the Paris Agreement on climate change. Building on the success of the EU's past flagship research and innovation programmes, the Commission proposed in early May 2018 to increase investment in research and innovation by allocating €114.8 billion from the future long-term EU budget for the years 2021-2027.

This includes "Horizon Europe" which, with a budget of €97.9 billion, will be the biggest ever research and innovation funding programme. It is designed around three pillars: the Open Science pillar, the Global Challenges pillar, and the Open Innovation Pillar.

- The Open Science pillar supports researchers through fellowships and exchanges as well as funding to projects defined and driven by researchers themselves, through the European Research Council and the Marie-Skłodowska-Curie actions.
- The Global challenges pillar directly supports research relating to societal challenges, setting EU-wide missions with ambitious goals around issues that worry us daily such as such as the fight against cancer, clean mobility and plastic-free oceans. Industrial leadership will be prominent within this pillar and throughout the programme as a whole.
- The Open Innovation pillar aims to make Europe a front runner in market-creating innovation. A European Innovation Council will offer a one-stop shop for high potential and breakthrough technologies and innovative companies with potential for scaling up.

The present conference, jointly organised by the European Parliament's Industry, Research, and Energy (ITRE) Committee, the Science and Technology Options Assessment (STOA) Panel and the Japan-based Science and Technology in Society *forum* (STS *forum*), aims to promote the dialogue between industry, society and policy-makers from Japan and Europe, towards shared vision of the opportunities and challenges of promoting international cooperation in science and innovation.

After the opening session on "Horizon Europe and International Cooperation", a first panel will discuss major challenges faced by humankind and how to tackle them through internationally-coordinated research efforts, while the second panel will focus on examples how curiosity-driven research can contribute to future scientific breakthroughs.

## 2. PROGRAMME

<p><b>Co-Chairs: Eva A. KAILI</b>, MEP, Chair of STOA and  <b>Paul RÜBIG</b>, MEP, 1st Vice-Chair of STOA  <b>Jerzy BUZEK</b> MEP, Chair, ITRE  <b>Koji OMI</b>, Founder and Chairman, Science and Technology in Society <i>forum</i></p>	
TIME	SPEAKERS
<b>15:00 - 15:10</b>	<p><b>Introductory Remarks</b></p> <ul style="list-style-type: none"> <li>• <b>Jerzy BUZEK</b>, MEP, Chair, ITRE, Poland</li> <li>• <b>Koji OMI</b>, Founder and Chairman, STS <i>forum</i>, Japan</li> </ul>
<b>15:10 - 15:50</b>	<p><b>Opening Session: “Horizon Europe and International Cooperation”</b></p> <ul style="list-style-type: none"> <li>• <b>Carlos MOEDAS</b>, EU Commissioner for Research, Science and Innovation, Portugal</li> <li>• <b>Yoichi ITO</b>, Deputy Minister, Ministry of Education, Culture, Sports, Science and Technology, Japan</li> <li>• <b>Fumikazu SATO</b>, Deputy Director-General, Industrial Science and Technology Policy and Environment Bureau, Ministry of Economy, Trade and Industry (METI), Japan</li> </ul>
<b>15:50 - 16:40</b>	<p><b>Panel I: “Major challenges faced by Humankind: Horizon Europe Collaboration -- Open Europe to the World -- Through the STS <i>forum</i>”</b></p> <ul style="list-style-type: none"> <li>• Presentation by <b>Cristina RUSSO</b>, Director for International Cooperation, Directorate-General Research and Innovation, European Commission, Italy</li> <li>• Global trend of innovation-based start-ups: By <b>Yasukazu IRINO</b>, Executive Vice President, JETRO, Japan</li> <li>• Climate and energy: By <b>Ryoji CHUBACHI</b>, President, National Institute of Advanced Industrial Science and Technology, Japan</li> <li>• Global health: By <b>Henry A. MCKINNELL</b>, Chairman, Moody’s Corporation, U.S.A</li> </ul>

<p><b>16:40 - 17:30</b></p>	<p><b>Panel II: “Curiosity-driven Research: How Horizon Europe could Contribute to Future Scientific Breakthroughs”</b></p> <p><b>Moderator: Jean-Pierre BOURGUIGNON</b>, President, European Research Council, France</p> <ul style="list-style-type: none"> <li>• Presentation by <b>Vernesa SMOLCIC</b>, Researcher, Faculty of Science, University of Zagreb, Croatia</li> <li>• Presentation by <b>Ismail SERAGELDIN</b>, Founding Director and Member of the Board of Trustees, the Library of Alexandria, Egypt</li> <li>• Presentation by <b>Julie MAXTON</b>, Executive Director, Royal Society, UK</li> <li>• Presentation by <b>Motoko KOTANI</b>, Executive Director, RIKEN, Japan</li> </ul>
<p><b>17:30 - 17:45</b></p>	<p><b>Closing Remarks</b></p> <ul style="list-style-type: none"> <li>• <b>Jerzy BUZEK</b>, MEP, Chair, ITRE</li> <li>• <b>Paul RÜBIG</b>, MEP, 1st Vice-Chair, STOA, Member, ITRE</li> <li>• <b>Koji OMI</b>, Founder and Chairman, Science and Technology in Society <i>forum</i></li> </ul>
<p><b>17:45 - 18:15</b></p>	<p>Networking over refreshments</p>



### **3. ABOUT THE STS FORUM**

#### **Science and Technology in Society *forum*: Lights and Shadows**

The explosive progress of science and technology up to the 20th century brought prosperity and enriched the quality of life for much of mankind.

However, the advance of science and technology raises important ethical, safety and environmental issues: possible negative applications are threatening mankind's own future. Since progress in science and technology is expected to accelerate and will be necessary for sustainable human development in the 21st century, wisdom must be exercised to keep it under proper control.

In that sense, the most pressing problems we face today include harmonising economic development with global warming; preventing terrorism; controlling infectious diseases; and assessing the potential health benefits and ethical factors relating to cloning technology. International efforts to address these problems are needed now more than ever. This is really what symbolises the 'lights and shadows of science and technology'. Opportunities need to be taken, but the risks must also be controlled. Health, meeting energy needs, and many other aspects of human welfare are dependent on continued progress in science and technology.

At the same time, the benefits of science and technology are not reaching a major part of the world's people. The barriers to seizing the opportunities for using science and technology to solve the problems of humankind need to be discussed.

Because the problems we face today are becoming increasingly complex against the backdrop of globalisation and international competition, they are beyond the control of any single country.

These issues are also beyond the control of the scientific community alone, because many of the problems will find solutions through changes in social systems, international collaboration, global networks, and the building of common rules.

The time has come for not only scholars and researchers, but also policy-makers, business leaders and media leaders from all over the world to meet and discuss science and technology issues in the 21st century.

The Science and Technology in Society (STS) *forum* aims to provide a new mechanism for open discussions on an informal basis, and to build a human network that would, in time, resolve the new types of problems stemming from the application of science and technology. The forum community will also explore the opportunities arising

from science and technology, and address how to remove the barriers to using science and technology to solve the problems facing humankind.

Forum members are expected to participate, not as representatives of their country or organisation, but as individuals expressing their own views. This forum is not necessarily a platform for specialists to unilaterally convey their knowledge, but rather an opportunity for real dialogue among peers. Participants should also undertake cross-border activities towards the establishment of shared values and commitment for the future.

The STS *forum* has been founded and chaired by the former Japanese Minister Koji OMI.

More information is available on [www.stsforum.org](http://www.stsforum.org).

## **4. ABOUT STOA**

### **4.1. Mission**

The Science and Technology Options Assessment (STOA) Panel forms an integral part of the structure of the European Parliament (EP). Launched in 1987, STOA is tasked with identifying and independently assessing the impact of new and emerging science and technologies. The goal of its work is to assist, with independent information, the Members of the European Parliament (MEPs) in developing options for long-term, strategic policy-making.

#### **The STOA Panel**

The STOA Panel consists of 25 MEPs nominated from nine permanent parliamentary committees: AGRI (Agriculture & Rural Development), CULT (Culture & Education), EMPL (Employment & Social Affairs), ENVI (Environment, Public Health & Food Safety), IMCO (Internal Market & Consumer Protection), ITRE (Industry, Research & Energy), JURI (Legal Affairs), LIBE (Civil Liberties, Justice & Home Affairs) and TRAN (Transport & Tourism). Ramón Luis VALCÁRCEL SISO, MEP, is the EP Vice-President responsible for STOA and member of the Panel. The STOA Chair for the second half of the 8th legislature is Eva KAILI, with Paul RÜBIG and Evžen TOŠENOVSKÝ elected as 1st and 2nd Vice-Chairs respectively.

#### **The STOA approach**

STOA fulfils its mission primarily by carrying out science-based projects. When undertaking these projects, STOA assesses the widest possible range of options to support evidence-based policy decisions. A typical project investigates the impacts of both existing and emerging technology options and presents these in the form of studies and options briefs. These are publicly available for download via the STOA website: [www.europarl.europa.eu/stoa/](http://www.europarl.europa.eu/stoa/).

Some of STOA's projects explore the long-term impacts of future techno-scientific trends, with the aim to support MEPs in anticipating the consequences of developments in science. Alongside its production of 'hard information', STOA communicates its findings to the EP by organising public events throughout the year.

#### **Focus areas**

STOA activities and products are varied and are designed to cover as wide a range of scientific and technological topics as possible, such as nano-safety, e-Democracy, bio-engineering, assistive technologies for people with disabilities, waste management,

cybersecurity, smart energy grids, responsible research & innovation, sustainable agriculture, and health. They are grouped in five broad focus areas: eco-efficient transport and modern energy solutions; sustainable management of natural resources; potential and challenges of the Information Society; health and life sciences; science policy, communication and global networking.

## **4.2. Administration**

### **Director-General, Directorate-General for Parliamentary Research Services (EPRS)**

Anthony TEASDALE

### **Director, Directorate C, Impact Assessment & European Added Value**

Wolfgang HILLER

### **Head of Unit - Scientific Foresight Unit (STOA)**

Theo KARAPIPERIS

### **Head of Service - STOA Secretariat**

Zsolt PATAKI

### **Head of Service - Scientific Foresight**

Lieve VAN WOENSEL

### **Administrators**

Philip BOUCHER

Mihalis KRITIKOS

Nera KULJANIC

Christian KURRER

Gianluca QUAGLIO – Seconded National Expert

### **Assistant**

Emilia BANDEIRA MORAIS

Serge EVRARD

Rachel MANIRAMBONA

Marie MASSARO

Damir PLESE

### **Trainees**

Evangelia Marie THOUKIDIDES

Karina BITTAR BRITTO ARANTES

## **5. ABOUT ITRE**

### **5.1. ITRE's Mission**

The Committee of Industry, Research and Energy (ITRE) is one of the European Parliament's 20 specialised standing committees. These committees instruct legislative proposals through the adoption of reports, propose amendments to Plenary and appoint a negotiation team to conduct negotiations with the Council on EU legislation. They also adopt own-initiative reports, organise hearings with experts and scrutinise the other EU bodies and institutions.

A committee consists of between 25 and 73 full members and an equivalent number of substitutes. The ITRE Committee consists of 67 full Members and an equivalent number of substitutes, thus making it the 3rd largest committee of the European Parliament. ITRE Committee is chaired by Mr Jerzy Buzek and up four vice-chairs amongst its full members, forming together the 'committee bureau', for a two and a half year mandate. The political make-up of the ITRE Committee reflects that of the plenary assembly.

During its current legislative term, the ITRE Committee has four priority areas on which it concentrates.

First, ITRE Committee aims at ensuring that EU's legal and economic framework enables the European industrial sector to become more innovative. This will require adapting and mobilizing EU's R&D and education programs to effectively respond to the actual needs of the industry.

Secondly, EU's policies must boost the development and growth of European small and medium-sized enterprises. Helping strengthen SMEs is as much about financing, as about openness of research programs, skills-development training schemes, or fiscal legislation.

Third priority area of the ITRE Committee is to build a true European digital market. It is about the advantages of scale of a European market to lower the costs and drive the innovativeness of Europe's businesses. Both ITRE and the Parliament as a whole can show a very good record in this field – and with new legislation, there will still be room for going further with new legislation.

Fourth priority is to exploit the full potential of European Union's common energy policy. Only with secure energy we can make our economy globally competitive and avoid economic decline.

Through these policies, the ITRE Committee aims to bring the European economy back on the growth track, and to do so in a sustainable way. We want to make Europe a better place to live.

The ITRE Committee normally meets in Brussels, and its work is supported by the ITRE Secretariat. Its debates are held in public and, in principle, webstreamed.

## **5.2. ITRE Bureau and Secretariat**

### **ITRE Bureau**

ITRE Chair	Jerzy BUZEK
ITRE 1st Vice-Chair	Patricia TOIA
ITRE 2nd Vice-Chair	Hans-Olaf HENKEL
ITRE 3rd Vice-Chair	Jaromír KOHLÍČEK
ITRE 4th Vice-Chair	Morten Helveg PETERSEN

### **ITRE Secretariat**

Head of Unit	Klaus BAIER
--------------	-------------

## 6. SPEAKERS

### 6.1. STOA Chair



**KAILI, Eva**  
MEP and STOA Chair

Eva KAILI is Member of the European Parliament (2014-2019), head of the Greek S&D Delegation (PASOK/Elia) in the European Parliament, STOA Chair and ITRE representative on the STOA Panel.

Eva KAILI was elected twice to the Greek national parliament (2007-2012) with the Panhellenic Socialist Movement (PASOK). She holds a bachelor degree in Architecture and Civil Engineering, and has done postgraduate studies in European Politics. Currently, she is conducting her PhD in International Political Economy. In the European elections of 2014, Ms KAILI was elected, ranked-first, with the political scheme of 'Elia', and she is a Member of the European Socialists and Democrats (S&D).

In her capacity as the Chair of STOA, she has been working intensively on promoting innovation as a driving force of the establishment of the European Digital Single Market. She has been particularly active in the fields of blockchain technology, m/eHealth, Big Data, FinTech and Cybersecurity, and has been the rapporteur of the ITRE opinion on EFSI<sup>1</sup> 2.

Eva KAILI chairs the Delegation for Relations with the NATO Parliamentary Assembly (DNAT), and is a member of the Committee on Industry, Research and Energy (ITRE). She is also a substitute member of the Committee on Economic and Monetary Affairs (ECON) and of the Committee on Employment and Social affairs (EMPL), and a member of the Subcommittee on Security and Defence (SEDE).

---

<sup>1</sup> European Fund for Strategic Investments

## 6.2. *Introductory remarks*



### **OMI, Koji**

Founder and Chairman

Science and Technology in Society forum  
(STS forum)

After graduation from Hitotsubashi University, Koji OMI joined the Ministry of International Trade and Industry (MITI) in 1956 and served as Consul in New York; Director, South Asia & Eastern Europe Div. Trade Policy Bureau; Director, Admin. Div. Science and Technology Agency; Director-General, Guidance Dept. Small & Medium Enterprise Agency. He was elected in 1983 to the House of Representatives and served as Minister of Finance (2006-2007), Minister of State for S&T Policy for Okinawa and Northern Territories Affairs (2001-2002), and Minister of State for Economic Planning (1997-1998). He played a central role in enacting the Fundamental Law of S&T in 1995 and the founding of the Okinawa Institute of Science and Technology. In 2004 he founded the Science and Technology in Society *forum* (STS *forum*). Koji OMI was awarded honorary doctorates from Universiti Teknologi Malaysia (UTM) in 2013, University of York in January 2014, and University of Quebec in June 2014.





## **BUZEK, Jerzy**

Member of the European Parliament,  
Chair of the Committee on  
Industry, Transport and research (ITRE)

Jerzy BUZEK is a Polish politician, former Prime Minister of Poland and former President of the European Parliament. MEP since 2004, he is currently chairing the EP's Committee on Industry, Research and Energy (ITRE) and the Conference of Committee Chairs.

He was born on 3 July 1940 in Śmiałowice in southern Silesia, now in the Czech Republic. Member of the European Parliament since 2004, he was elected the European Parliament President on 14 July 2009 with the biggest vote majority since the first direct elections in 1979. During his presidential mandate which lasted until January 2012, Jerzy BUZEK oversaw the transition from the Nice Treaty to the Lisbon Treaty and played a key role in finalising the ratification process of the latter. Known for his activity on the energy front, together with Jacques Delors he launched the initiative of a European Energy Community, aimed at strengthening energy legislation and cooperation within and outside the EU.

BUZEK was a rapporteur for the 7th Research Framework Program, for the Strategic Energy Technology SET Plan as well as for the EU Internal Energy Market. In 2013-2014 he chaired the High Level Reflection Group of the Energy Community which proposed a reform enhancing the operation of this organisation.

In the 8th legislature he was elected Chair of the EP Committee on Industry, Research and Energy and appointed Chair of the Conference of Committee Chairs. Member of the 'Solidarność' movement from its early days; elected the Chair of the first national Solidarity Congress. Defending and advocating for human rights all over the world is an intrinsic part of his parliamentary activity.

From 1997 to 2001, Jerzy BUZEK served as a Prime Minister of Poland, introducing sweeping reforms in pensions, healthcare, local and regional administration, education and mining. During his term in office, Poland acceded to NATO and made key steps towards its EU membership. In November 2012, BUZEK received the highest Polish state medal - the White Eagle Order - for his contribution to Poland's democratic transformation, for scientific achievements and for political accomplishments in Poland and in the international arena. He is a *doctor honoris causa* of numerous Polish and foreign universities as well as an honorary citizen of more than ten cities in Poland.

### 6.3. Opening Session: “Horizon Europe & International Cooperation”



**MOEDAS, Carlos**

EU Commissioner for Research,  
Science and Innovation

Carlos MOEDAS has been Commissioner for Research, Innovation and Science since 2014. Prior to that, Mr. MOEDAS has worked as Secretary of State to the Prime Minister of Portugal from 2011 until 2014 and Member of the Portuguese Parliament in 2011. From 2010 until 2011 he worked as Senior Economic Advisor of the Portuguese Social Democratic Party (PSD). In 2008 he founded the Crimson Investment Management and worked as Managing Director and Member of the Executive Committee Board of Aguirre Newman from 2004 until 2008. From 2002 until 2004 he worked as Consultant on mergers and acquisitions, Deutsche Bank and Eurohypo Investment Bank and he was Investment Banking Associate at Goldman Sachs from 2000 until 2002. From 1993 until 1998 he worked as Engineer and Project Manager at Suez Group. He earned a Degree in civil engineering at the Instituto Superior Técnico de Lisboa, Portugal, and an MBA at the Harvard Business School, US.



## **ITO, Yoichi**

Deputy Minister,  
Ministry of Education, Culture, Sports,  
Science and Technology(MEXT), Japan

Yoichi ITO has been the Deputy Minister of the Ministry of Education, Culture, Sports, Science and Technology (MEXT) since July 2017. He started his career at the Science and Technology Agency in 1982. He mainly worked on atomic energy in his early career. Additionally, he served as First Secretary for Japanese Embassy in United Kingdom, and Secretary to the Minister of Science and Technology Agency. He served as Director, Minister's Secretariat, MEXT, 2008-2010; Deputy Director-General for Lifelong Learning Policy Bureau, MEXT, 2010-2012; Executive Director, Japan Atomic Energy Agency, 2012-2015; Deputy Director-General for Policy Evaluation, MEXT, April - August 2015; Director-General for Policy Coordination, MEXT, 2015-2017.



## **SATO, Fumikazu**

Deputy Director-General, Industrial Science  
and Technology Policy and Environment  
Bureau  
Ministry of Economy, Trade and Industry  
(METI), Japan

Fumikazu SATO has been the Deputy Director-General, Industrial Science and Technology Policy and Environment Bureau, Ministry of Economy, Trade and Industry (METI) and Secretary General of Japanese Industrial Standards Committee (JISC) since 2017. Prior to this, he served as Deputy Director-General, Manufacturing Industries Bureau, 2016. After graduation from Tokyo University, he started his career in Ministry of International Trade and Industry in 1988. He served as First Secretary for the Mission of Japan to the European Union in 1999. After that he served as Director, Information Systems and Welfare Division, 2009; Director, Startup and Technology Division, Small and Medium Enterprise Agency, 2010; Director, Academia-Industry Cooperation Promotion Division, 2010; Director, Technical Regulations, Standards and Conformity Assessment Policy Division, 2014 and so on.

**6.4. Panel I: “Major challenges faced by Humankind: Horizon Europe Collaboration -- Open Europe to the World -- Through the STS forum”**



**RUSSO, Maria Cristina**

Director for International Cooperation,  
Directorate-General for Research and  
Innovation, European Commission

Maria Cristina RUSSO is the Director for International Cooperation in DG Research and Innovation since July 2013. She is responsible for promoting research and innovation cooperation with international partners in order to: strengthen the EU's scientific excellence and attractiveness; foster its industrial competitiveness; tackle global societal challenges; and support the EU's external policies, including trade, development and enlargement. From 2010-2013 she served in the DG Health and Consumer Affairs as the Head of Unit for “Financial Services and Redress”. During 2004-2010 she served within the Secretariat General of the Commission as Head of Unit, where she was responsible for the units in charge of "Relations with the Council-Coreper I", "Co-decision" and "Strategic Objective Security and Justice".

From 1999-2004 she served as a member of the Cabinet of Philippe Busquin, Commissioner for Research. From 1995-1999, she was a policy officer in the Secretariat General in the unit responsible for "Relations with the Council-Coreper I". She joined the European Commission in 1992 as a policy officer in DG External Relations, dealing with "Relations with the New Independent States of the Former Soviet Union". Maria Cristina studied Political Sciences at the Luiss University of Rome and has a Master's Degree in European Studies and a Research Master's from the College of Bruges.



**IRINO, Yasukazu**

Executive Vice President,  
Japan External Trade Organization (JETRO)  
Japan

Yasukazu IRINO has been Executive Vice President, Japan External Trade Organization (JETRO) since October 2017. Prior to this, he served as Deputy Director-General for Trade Policy, Trade Policy Bureau, Ministry of Economy, Trade and Industry (METI). Mr. IRINO graduated with a Law degree from Tokyo University and upon graduation he joined METI in 1987. After then, he has held various positions including experience working overseas as visiting fellow at Stanford University in the US and Commercial Counsellor at Embassy of Japan in UK, Head of Singapore Office, Chief Representative for Asia and Oceania at NEXI Singapore, assigned by Ministry of Economy, Trade and Industry (METI).



**CHUBACHI, Ryoji**

President,  
National Institute of Advanced Industrial  
Science and Technology(AIST)  
Japan

Ryoji CHUBACHI is currently President of National Institute of Advanced Industrial Science and Technology (AIST). After receiving a Doctoral Degree in Engineering from Tohoku University Japan, CHUBACHI joined Sony Corporation in 1977. He began his career as an engineer of recording media, and left many achievements including development of 8-mm videotape. After having management experience at Sony's manufacturing operation in the US, CHUBACHI led various electronics businesses such as magnetic products business, electronic device business, and Sony's corporate research and development activities. CHUBACHI was appointed the President and Chief Executive Officer of Electronics Business, Sony Corporation in 2005, and then he was assigned Vice Chairman in 2009. He left the company and joined AIST in 2013. He held positions of Co-Chairman of Committee on Industrial Technology, and Vice Chairman, Meeting of Councillors in KEIDANREN (Japan Business Federation). He also served as Member of the Council of Science and Technology Policy, Cabinet Office of Japan from 2010 to 2013.



**MCKINNELL, Henry**

Chairman  
Moody's Corporation  
U.S.A.

Henry MCKINNELL is Chairman and Co-founder of the Academic Alliance Foundation, an organization dedicated to fighting infectious diseases in Africa by strengthening academic medical centers and building healthcare capacity through research, training, prevention, care, and treatment. Henry joined Pfizer Inc. in 1971 in Tokyo and over the years held positions of increasing responsibility around the world including serving as Chairman and CEO. Henry is currently the Chairman of Moody's Corporation and Emmaus Life Sciences. He holds a Bachelor's Degree in business from the University of B.C., and M.B.A. and Ph.D. degrees from the Stanford University Graduate School of Business. Recipient Grand Cordon of the Order of the Rising Sun.

**6.5. Panel II: “Curiosity-driven Research: How Horizon Europe could contribute to Future Scientific Breakthroughs**



**BOURGUIGNON, Jean-Pierre**

President  
European Research Council

Since January 2014, Jean-Pierre BOURGUIGNON is President of the European Research Council. In 2013, he became Directeur de recherche emeritus at CNRS after serving 44 years. Director of the Institut des Hautes Études Scientifiques in Bures-sur-Yvette (1994-2013), he taught Mathematics at École Polytechnique (1986-2012). A graduate from École Polytechnique (class of 1966), he holds a PhD in Mathematical Sciences from University Paris VII (1974). His research concerns Differential Geometry, Global Analysis and mathematical aspects of Theoretical Physics. He was president of the European Mathematical Society (1995-1998) and a member of the CNRS Ethics Committee (1999-2011). A member of the Academia Europaea, he holds Honorary Doctorate degrees from Keio University and Nankai University.



**SMOLCIC, Vernesa**

ERC Grant holder,  
Faculty of Science,  
University of Zagreb

Vernesa SMOLCIC is an associate professor at the Department of Physics, Faculty of Science, University of Zagreb (Croatia). Her main research area is (observational) astrophysics (survey science and multi-wavelength follow-up) applied to galaxy formation and evolution. She was awarded an ERC grant in 2013. Her goal is to provide the first census of high-redshift star-bursting galaxies, also called “submillimeter galaxies”, and a full census of galaxies hosting supermassive black holes.





**SERAGELDIN, Ismail**

Founding Director and Member of the  
Board of Trustees  
the Library of Alexandria  
Egypt

Ismail SERAGELDIN is Founding Director of the Bibliotheca Alexandrina, the new Library of Alexandria inaugurated in 2002, and is currently Emeritus Librarian and member of the Board of Trustees of the Library of Alexandria. He serves as Chair or Member of a number of advisory committees for academic, research, scientific and international institutions and civil society efforts, including as co-Chair of the Nizami Ganjavi International Center, and serves on the Advisory Committee of the World Social Science Report for 2013 & 2016, as well as the UNESCO-supported World Water Scenarios (2013) and the executive council of the Encyclopedia of Life (2010) & Chairs the Executive Council of the World Digital Library (2010) & was a member of the ICANN Panel for the review of the internet.



**MAXTON, Julie**

Executive Director  
Royal Society  
UK

Julie MAXTON is the Executive Director of the Royal Society, whose current President is the Nobel Laureate Sir Venkatraman (Venki) Ramakrishnan. Before taking up her position at the Royal Society in 2011 Julie was Registrar at the University of Oxford where she is an Honorary Fellow of University College. Originally trained as a barrister at the Middle Temple Julie combined a career as a practicing lawyer with that of an academic, holding a number of senior academic positions, including those of Professor and Dean of the Faculty of Law at the University of Auckland, New Zealand. Julie is the author of numerous articles concerned with trusts, equity, commercial and property law. She is on a number of Committees and Boards as well as being a governor of Haberdasher Aske's Girls School, a Board member of Engineering UK and a Bencher at the Middle Temple.





**KOTANI, Motoko**

Executive Director  
RIKEN  
Japan

Director, Professor and Principal Investigator of the WPI Advanced Institute for Materials Research (WPI-AIMR) and Professor, Mathematical Institute, Graduate School of Science at Tohoku University, Motoko KOTANI specializes in geometry, especially discrete geometric analysis. She received the 25th Saruhashi Prize for her contribution to Discrete Geometric Analysis on a crystal lattice. She is an executive member of the Council for Science, Technology and Innovation, and the Cabinet Office, a member of the Science Council of Japan, the President of the Mathematical Society of Japan, and Associate Executive Vice President (Research) of Tohoku University. She is appointed Executive Director of RIKEN in April 2017.

#### **6.6. Closing Remarks**



**RÜBIG, Paul**

MEP, First Vice-Chair, STOA,  
Member, ITRE

Paul RÜBIG is Member of the European Parliament, First Vice-Chair of the STOA Panel, member of the Committee on Industry, Research and Energy and of the Committee on Budgets and Vice-Chair of the Delegation for relations with the Korean Peninsula. In addition, he is a substitute member of the Committee on Trade, of the Delegation for relations with Switzerland and Norway, and of the EU-Iceland Joint Parliamentary Committee, the European Economic Area Joint Parliamentary Committee, and the Committee on Development. He has a degree in Business Administration, Marketing and Production Engineering from the University of Linz, Upper Austria.



This is a publication of the STOA Secretariat  
*Directorate-General for Parliamentary Research Services, European Parliament*



PE 614.565