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Science



Koji OMI
Member of the House of Representatives,
Founder and Chairman, STS *forum*, JP



Annette SCHAVAN
Minister, Federal Ministry of Education and Research, DE



Mario J. MOLINA
Professor, University of California, San Diego (UCSD),
(Nobel Laureate - Chemistry 1995), MX

T

& Technology



Jeff B. KINDLER
Chairman and Chief Executive Officer,
Pfizer Inc, US

S

in Society



S. Kris GOPALAKRISNAN
Chief Executive Officer and Managing Director,
Infosys Technologies, Ltd., IN

forum

2009

SIXTH ANNUAL MEETING

October 4-6, 2009

Science and Technology in Society (STS) *forum*

Kyoto, Japan

Fundamental Concept

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 man-kind'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 harmonizing economic development with global warming; preventing terrorism; controlling infectious diseases; and assessing the potential health benefits and ethical factors relating to cloning technology. Inter-national efforts to address these problems are needed now more than ever. This is really what symbolizes 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 globalization and inter-national 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 *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 organization, 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.

Modalities for Participation :

- Participation upon invitation only (invitation requests can be submitted through our website).
- Participants are requested to make their own travel arrangements to the venue.
- Participation fee : US\$1,000 (business) ; US\$500 (other).

For more information, please contact: STS *forum* (Non-Profit Organization)

Sanno Grand Building 419, 2-14-2 Nagatacho, Chiyoda-ku, Tokyo 100-0014, Japan

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STS *forum* 6th Annual Meeting in Kyoto Provisional Program 2009

A more detailed program will follow shortly.

As of October 16, 2008

Sunday, October 4, 2009	
08:30	Registration opens at the Kyoto International Conference Center (ICC Kyoto)
10:30-11:30	Opening Plenary Session
11:45-13:00	Light Meal Buffet
13:20-14:50	Plenary Session
14:50-15:50	Plenary Session
15:50-16:30	Coffee Break
16:30-18:30	First Series of 7 Concurrent Sessions
18:30-19:30	Cocktails
19:30-21:00	Official Dinner
Monday, October 5, 2009	
08:30-09:50	Plenary Session
09:50-10:20	Coffee Break
10:20-12:20	Second Series of 7 Concurrent Sessions
12:20-14:05	Working Lunch
14:20-16:20	Third Series of 7 Concurrent Sessions
16:20-16:50	Coffee Break
16:50-18:00	Plenary Session in Parallel
18:30-20:00	Special Buffet Dinner
Tuesday, October 6, 2009	
08:30-09:25	Plenary Session
09:25-10:15	Participants' Open Session
10:15-10:45	Coffee Break
10:45-11:45	Plenary Session
11:45-12:30	Closing Plenary Session
12:30-13:30	Farewell Buffet Lunch

Fifth Annual Meeting of the STS *forum* 2008



Mario MOLINA
Professor, Dept. Chemistry and Biochemistry
University of California, San Diego (UCSD),
(Nobel Laureate, 1995 in Chemistry), Mexico

Yongxiang LU
President, Chinese Academy of Sciences (CAS), China

Cristina GARMENDIA MENDIZABAL
Minister, Ministry of Science and Innovation, Spain

Kazuo FURUKAWA
Representative Executive Officer,
President and CEO, Hitachi, Ltd., Japan

Seiko NODA
Minister of State,
Science and Technology Policy, Food Safety, Japan

Koji OMI
Member of the House of Representatives,
Founder and Chairman STS *forum*, Japan

The Fifth Annual Meeting of the Science and Technology in Society *forum* was held in Kyoto from Oct. 5 through 7, 2008, under the overall theme of "Science and Technology: Lights and Shadows."

- ◆ 91 countries and international organizations were represented
- ◆ Over 750 leading scientists, including 5 Nobel Laureates, policymakers, including 29 ministers in charge of Science and Technology, business executives and media leaders attended the program
- ◆ Main themes of this year's discussions were: "Harmony with Nature" and "How is ICT affecting Humankind?"
- ◆ A Statement, available on our website, was also issued on the last day of the STS *forum*.

* Please visit our website www.stsforum.org for more details.

STS *forum* Council Members

* Board Members, **Auditor of the STS *forum* (Non-Profit Organization)

In principle, council members will be attending the Sixth Annual Meeting as speakers.

(Alphabetical order, as of October 6, 2008)

- AHO, Esko**
President, Finnish Innovation Fund (Sitra); Former Prime Minister, FI
- ALBERTS, Bruce M.**
Editor-in-chief of *Science*; Professor of Biochemistry and Biophysics, University of California, San Francisco, US
- ARIMA, Akito**
Chairman, Japan Science Foundation, JP
- BUSQUIN, Philippe**
MEP, Chairman of the Scientific and Technology Options Assessment (STOA), European Parliament, BE
- CAMPBELL, Donald W.**
Senior Strategy Advisor, Davis LLP, CA
- CARTY, Arthur J.**
Executive Director of the University of Waterloo Institute for Nanotechnology, CA
- CHAISANG, Wutipong**
Minister of Science and Technology, TH
- * **CHO, Fujio**
Chairman, Toyota Motor Corporation, JP
- * **CICERONE, Ralph J.**
President, National Academy of Sciences (NAS), US
- COLWELL, Rita R.**
Distinguished University Professor, University of Maryland and Johns Hopkins University, US
- * **DESMARESCAUX, Philippe**
Chairman, Scientific Foundation of Lyon, FR
- * **FRIEDMAN, Jerome I.**
Institute Professor and Professor of Physics Emeritus, Massachusetts Institute of Technology (MIT), US
- FURSENKO, Andrey A.**
Minister of Education and Science, RU
- GOLDIN, Daniel S.**
Chairman and CEO, Intellis Corporation; former NASA Administrator, US
- GREGORIAN, Vartan**
President, Carnegie Corporation of New York, US
- GROS, François**
Honorary Permanent Secretary, Academy of Sciences, FR
- HARA, George**
Group Chairman and CEO, DEFTA Partners; Ambassador, UN ECOSOC, JP
- * **HAYASHI, Yasuo**
Chairman and CEO, Japan External Trade Organization (JETRO), JP
- HELAL, Hany M.**
Minister of Higher Education and Scientific Research, EG
- * **HOLLIDAY Jr., Charles O.**
Chairman and CEO, DuPont, US
- IGLESIAS, Enrique V.**
Secretary-General, Ibero-American Secretariat, UY
- KANAZAWA, Ichiro**
President, Science Council of Japan, JP
- * **KINDLER, Jeff B.**
Chairman and CEO, Pfizer Inc, US
- KING, David**
Director, Smith School of Enterprise and the Environment, University of Oxford; Former Chief Scientific Advisor to the Government, UK
- * **KITAZAWA, Koichi**
President, Japan Science and Technology Agency (JST), JP
- KLEIBER, Michał**
President, Polish Academy of Sciences; Senior Advisor to the President, PL
- KUMAR, Ashwani**
Honourable Minister of State, Department of Industrial Policy and Promotion, Ministry of Commerce and Industry, IN
- * **KUROKAWA, Kiyoshi**
Special Advisor to the Cabinet; Professor, National Graduate Institute for Policy Studies, JP
- LEE, Yoon-Woo**
Vice Chairman and CEO, Samsung Electronics Co., Ltd., KR
- LIM, Chuan Poh**
Chairman, Agency for Science, Technology and Research (A*STAR), SG
- LU, Yongxiang**
President, Chinese Academy of Sciences (CAS), CN
- MARBURGER, III, John H.**
Science Advisor to the President; Director of the Office of Science and Technology Policy (OSTP), US
- * **McKINNELL, Henry A.**
Chairman, Accordia Global Health Foundation; former Chairman and CEO, Pfizer Inc, US
- MEHTA, Goverdhan**
President, International Council for Science (ICSU), IN
- MILBERG, Joachim**
President, Council of Technical Sciences of the Union of German Academies of Sciences and Humanities (acatech); Chairman, Supervisory Board, BMW AG, DE
- * **MITARAI, Fujio**
Chairman, Nippon Keidanren (Japan Business Federation); Chairman and CEO, Canon Inc., JP
- MORATTI, Letizia B.A.**
Mayor of Milano; Former Minister of Education, Universities and Scientific Research, IT
- * **NAKATOMI, Michitaka**
President, Japan External Trade Organization (JETRO), JP
- OKAMURA, Tadashi**
Chairman of the Board, Toshiba Corporation, JP
- * **OMI, Koji**
Member of the House of Representatives, JP
- ÖQUIST, Gunnar**
Permanent Secretary, The Royal Swedish Academy of Sciences, SE
- OSIPOV, Yury S.**
President, Russian Academy of Sciences, RU
- PALIS Jr., Jacob**
President, Brazilian Academy of Sciences, BR
- PEARSON, Ian**
Minister of State for Science and Innovation, UK
- PÉCRESSE, Valérie**
Minister of Higher Education and Research, FR
- POTOČNIK, Janez**
Commissioner for Science and Research, European Commission, SI
- * **REES, Martin**
President, The Royal Society, UK
- RIETSCHEL, Ernst Th.**
President, Leibniz Association (WGL), DE
- ROWLAND, F. Sherwood**
Donald Bren Research Professor of Chemistry and Earth System Science, University of California, Irvine, (UCI), US
- RUBINSTEIN, Ellis**
President and CEO, New York Academy of Sciences (NYAS), US
- SAKAKIBARA, Sadayuki**
President, Chief Executive Officer and Chief Operating Officer, Toray Industries, Inc., JP
- SERAGELDIN, Ismail**
Director, Library of Alexandria, EG
- * **SHOYAMA, Etsuhiko**
Chairman of the Board, Hitachi, Ltd., JP
- TAHA, Elzubeir B.**
Minister of Agriculture, SD
- TONEGAWA, Susumu**
Picower Professor of Biology and Neuroscience, Massachusetts Institute of Technology (MIT), JP
- VELIKHOV, Evgeny P.**
President, Russian Research Center Kurchatov Institute, RU
- * **WALLBERG-HENRIKSSON, Harriet**
President, Karolinska Institutet, SE
- WAMBUGU, Florence M.**
CEO, Africa Harvest Biotech Foundation International, KE
- WAN, Gang**
Minister of Science and Technology, CN
- WIJKMAN, Anders**
Member, European Parliament, SE
- WINCE-SMITH, Deborah L.**
President, Council on Competitiveness, US
- * **YEO, Philip**
Senior Advisor for Science and Technology, Ministry of Trade & Industry, SG
- * **YOSHIKAWA, Hiroyuki**
President, National Institute of Advanced Industrial Science and Technology (AIST), JP
- YOSHINO, Hiroyuki**
Director and Advisor, Honda Motor Co., Ltd., JP
- ZEHNDER, Alexander J.B.**
Former President of the ETH Board, Swiss Federal Institute of Technology (ETH); Scientific Director, Alberta Water Research Institute (AWRI), CH
- ZEWAIL, Ahmed H.**
Linus Pauling Chair Professor of Chemistry and Physics, California Institute of Technology, EG