



***G8-UNESCO World Forum
on 'Education, Research and Innovation:
New Partnership for Sustainable Development'***

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***Under the High Patronage of the
President of the Republic of Italy***



BRIEF BIOGRAPHIES

BIOGRAPHIES



Dr. Lamya Ahmad AL-SAQQAF
Permanent Representative
of the State of Kuwait to FAO
and Chairperson
of the G77 Rome Chapter

Dr. Lamya Al-Saqqaf has been the Permanent Representative of Kuwait to FAO since 2003, prior to which she was a diplomat at the Kuwait Embassy in Rome (2000 - 2003). Dr. Al-Saqqaf is a member of the Independent External Evaluation Group of FAO and of the Executive Board for the World Food Programme 2006-2008, Vice-chair of the G77 and China 2006, and Chair of the G77 and China 2007.

Prior to embarking on her diplomatic career, after obtaining a Ph.D. in immunology from the University of London (UK) in 1981, she was Assistant Professor in the Faculty of Medicine of the University of Kuwait (1981-1985), Research Fellow of the Kuwait Ministry of Health (1985-1986), becoming Director of Clinical Services at St. Martin's Hospitals, London, in 1992, where she remained until 2000. She is co-author of 20 publications.



Professor
ATTA-UR-RAHMAN, FRs
Adviser to the Prime Minister
on Science & Technology
PAKISTAN

http://www.hec.gov.pk/newmain/biodata_chairman.htm

Prof. Atta-ur-Rahman is a distinguished organic chemist. The Government of Pakistan has conferred on him civil awards such as Tamgha-i-Imtiaz, Sitara-i-Imtiaz, Hilal-i-Imtiaz, and the highest national award, Nishan-i-Imtiaz, in recognition of his eminent contributions. He has been honoured by numerous other national and international prizes and awards, including the Federation of Asian Chemical Societies Award (Hiroshima, Japan), the UNESCO Science Prize, the ECO Prize, ISESCO Prize, the Islamic Organization Prize by the Government of Kuwait, the First Prize at the 6th Khwrazmi Festival by the President of Iran, the FPCCI Prize for Technological Innovation, the "Best Scientist of the Year" Award of the Government of Pakistan, and the Prime Minister's Gold Medal and Pakistan Academy of Sciences-INFAQ Foundation Prize in Science and election as Fellow of the Royal Society (London). He is also the President of the Pakistan Academy of Sciences and Vice-President (Central & South Asia) of the Academy of Sciences for the Developing World (TWAS). Professor Atta-ur-Rahman is the Co-ordinator General of COMSTECH, an OIC Ministerial Com-

mittee comprising the 57 Ministers of Science & Technology from 57 OIC member countries. He is presently the Federal Minister and Chairman of the Higher Education Commission and Adviser to the Prime Minister on Science and Technology.



Dr. Robert AYMAR
CERN Director General
GENEVA

<http://press.web.cern.ch/press/PressReleases/Releases2002/PR17.02ECouncil.html>

Following his secondment to the CEA (the French Atomic Energy Agency) in 1959, Dr. Aymar's career has focused on fundamental research in plasma physics and its application in controlled thermonuclear fusion research. In 1977, Dr. Aymar was appointed Head of the Tore Supra Project, a superconducting tokamak to be built at Cadarache in the south of France. He directed the Project from its conceptual design in 1977, throughout its construction up to its operation in 1988 when the first plasma was produced. He has maintained a strong connection to ITER, an international collaboration which aims to demonstrate the scientific and technological feasibility of fusion energy for peaceful purposes. Dr. Aymar was also the Head of the Sciences of Matter Directorate of the CEA.

In this position, he directed a wide range of basic research programmes - both experimental and theoretical - including astrophysics, particle, nuclear and high-energy physics and chemistry of condensed matter, paleo-climatology, as well as thermonuclear fusion by magnetic confinement. Among the many councils and committees on which Dr. Aymar served, his service as chairman of the LHC External Review Committee, mandated to evaluate the LHC project, is an important one. He presented the results to the CERN Scientific Policy Committee and the Committee of Council in June 2002. He was subsequently appointed Director General of CERN as of 1 January 2004, where he oversees the most important high energy physics of our times.



Dr. Francisco E. BARALLE
Director-General International
Centre for Genetic Engineering
and Biotechnology (ICGEB)
TRIESTE

<http://www.icgeb.trieste.it/RESEARCH/TS/Baralle.htm>

Professor Francisco E. Baralle received his BSc and PhD in Chemistry at the University of Buenos Aires and his degree in Medicine and Surgery at the University of Naples. After completing his Ph.D. at the Department of Organic Chemistry, he transferred to the Instituto de

BIOGRAPHIES

Investigaciones Bioquímicas Fundación Campomar directed by Professor Luis F. Leloir. In 1974, he moved to the MRC Laboratory of Molecular Biology, Cambridge, UK, where he worked in the Division directed by Dr. Frederick Sanger. From 1980 to 1990, he was University Lecturer of Pathology at Oxford and Fellow of Magdalen College. In 1980, he was elected member of the European Molecular Biology Organisation. In 1993, he was awarded the Platinum Konex Prize for Science and Technology (Argentina) as the best scientist of the decade in Genetic and Cytology, and in 2001 was elected Member of the Argentine Academy of Sciences. In September 1990, he was appointed Director of the Trieste Component of ICGEB and in 2004 became the Director-General of the same institute. In 1979, his group isolated the gene for epsilon-globin, a component of the human embryonic haemoglobin. He was one of the first to describe the pre-mRNA alternative splicing process in the 1980s. Professor Baralle heads the mis-splicing and disease project within the European RNA splicing network of excellence (EURASNET) that involves close European collaborations in basic and clinical research. In particular, strains and process protocols have been developed for the production of recombinant biopharmaceuticals.



Professor Mark BRAY
Director International Institute
for Educational Planning (IIEP)
7-9, rue Eugène Delacroix
75116 Paris FRANCE

http://www.unesco.org/iiep/eng/about/staff/staff_result2.htm?Id=8

Professor Mark Bray became Director of the IIEP in March 2006. Prior to that, he had been Dean of the Faculty of Education and Chair Professor of Comparative Education at the University of Hong Kong. He began his career as a secondary school teacher in Kenya and then Nigeria, before moving to posts at the Universities of Edinburgh, Papua New Guinea and London. He has extensive consultancy experience for international agencies and national governments in Africa, Asia, the Caribbean and the South Pacific. He is the author or editor of approximately 30 books and 200 articles and chapters.



Professor Édouard BRÉZIN
Former President of French
Academy of Sciences
Département de Physique

Laboratoire de physique théorique de l'École normale supérieure FRANCE

http://www.canal-u.education.fr/canalu/affiche_auteurs.php?programme_id=220

Professor Brézin is a theoretical physicist, in particular, in quantum field theory and statistical physics, and works at the Université Pierre et Marie Curie (Ecole Normale Supérieure); he is the president of the Board of Governors of CNRS (National Council for Scientific Research of France) and past president of the French Academy of Sciences (2005-2006). He was a member of the Scientific Council of the Abdus Salam International Centre for Theoretical Physics (1997-2004), president of the Scientific Council of EDF (1995), member of the Atomic Energy Committee, administrator of INSERM and Institut Pasteur, and president of the Board of Governors of CNRS (1992). Professor Brézin was awarded: Prix des trois physiciens déportés, Prix Gentner-Kastler by the Franco-German Physics Society, Prix Ampère (Grand Prix of the French Académie des Sciences), and Prix Langevin (theoretical physics) by the French Physics Society.



Professor Werner BURKART
Deputy Director General
International Atomic
Energy Agency
VIENNA

http://www.iaea.org/About/DGC/burkart_bio.html

Professor Werner Burkart has worked as IAEA Deputy Director General and Head of the Department of Nuclear Sciences and Applications

since 2000. Prior to joining the Agency, he was Head of the Department of Radiation Hygiene in the German Federal Office for Radiation Protection. From 1973 to 1975 Dr. Burkart headed the Biology and Medicine Division of the Swiss National Science Foundation. He then joined the Swiss Institute for Reactor Research at Würenlingen, where he held different assignments in radiation biology, radioecology and radiation protection. Dr. Burkart became Head of the Radiation Hygiene Division at the Paul Scherrer Institute, Switzerland in 1988. Today he is Professor for Radiation Biology at the Faculty of Medicine, Ludwig Maximilians University in Munich. Dr. Burkart holds a Ph.D. in Biochemistry and Masters of Science in Environmental Health (radiological health and internal dosimetry).



Professor Pier Ugo CALZOLARI
Rector
University of Bologna
Italy

Pier Ugo Calzolari took up office as Rector of the University of Bologna in 2000. Assistant Professor of Radio Engineering from 1964, Acting Professor of Semi-conductor Technologies from 1968, Professor of Applied Electronics from 1969, he was appointed to a chair of Applied Electronics at the Faculty of Engineering of the University of Bologna in 1979. He was head of the Department of Electronics, Comput-

BIOGRAPHIES

ers and Systematics from 1988 to 1994. He was a member of the Senate Committee which drew up the new General Statutes of the University and member of the University Senate until October 1996. Professor Calzolari was a member of the Scientific Committees of various assemblies and scientific organizations and acted as expert in microelectronics with the Italian delegation to the Committee for the EU Information Society Technology (IST) programme. He is the chairman of the Bologna section of the Italian Electrotechnical and Electronics Association, and has served as head of the Italian branch of Euroform (a European association of businesses and universities) and Chairman of its Scientific Committee, and acted as co-ordinator and scientific director of the Transnational Research Training Institute. He was promoter and scientific director of the TIM (Training Innovative Methodology) project, conducted as part of the European Union ADAPT programme and managed by ASTER, which aimed at creating a regional group of experts and consultants to encourage the use of advanced electronic applications in SMEs in the Emilia-Romagna region. He was also Chairman of the Scientific Committee of the National Research Council's Institute on Special Materials for Electronics and Magnetism in Parma.



Alain Giorgio Maria ECONOMIDES
Director-General
Ministry of Foreign Affairs for
Development Co-operation

http://www.esteri.it/ita/2_10_128_196.asp

Alain Giorgio Maria Economides, Director-General of the Ministry of Foreign Affairs for Development Co-operation since 31 July 2006, joined the diplomatic service in 1975. He was assigned to the Directorate General for Political Affairs and later served as First Secretary at Italy's Permanent Mission to the UN in New York (1979-1983); Counselor at the Directorate General for Personnel and at the Cabinet to the Minister for Foreign Affairs; Spokesperson at Italy's Permanent Mission to the European Economic Community in Brussels; Permanent Representation of Italy to the European Union in Brussels; Minister Plenipotentiary; Ambassador in Dakar, Mauritania, Gambia, Cape Verde, Mali, Guinea, and Guinea Bissau; Deputy Director General for Development Cooperation and Deputy Chief of Staff to the Minister for Foreign Affairs.

He was conferred the "Ordine al Merito della Repubblica Italiana" honour in 2004, as well as numerous foreign honours.



Professor Elaine EL-KHAWAS
Department of Educational
Leadership
Graduate School of Education
and Human Development

The George Washington University U.S.A.

http://portal.unesco.org/education/en/ev.php-URL_ID=35894&URL_DO=DO_TOPIC&URL_SECTION=201.html

Professor Elaine El-Khawas (Ph.D. Sociology) is Professor at the Graduate School of Education and Human Development, George Washington University, Washington D.C., USA, and Vice President of the Society for Research in Higher Education, UK. She has published widely in the areas of international comparisons of quality assurance approaches; accreditation in the United States; reform initiatives in American higher education; the role of intermediary organizations; restructuring initiatives in public higher education; the learning society in an electronic age; special policy issues in management of student aid; human capital investment; family income in the United States; developing an educated citizenry; consumerism as an emerging issue for postsecondary education; patterns of communication and miscommunication between research and policy; research policy and practice; developing an academic career in a globalizing world; sex differences in academic development; general education requirements in the humanities.



Professor Walter R. ERDELEN
Assistant Director-General
for Natural Sciences, UNESCO
PARIS

[http://www.worldste2007.asn.au/icas2007_2ndlayer/Third layer files/Dr Walter Erdelen Profile 1.htm](http://www.worldste2007.asn.au/icas2007_2ndlayer/Third%20layer%20files/Dr%20Walter%20Erdelen%20Profile%201.htm)

Assistant Director-General for Natural Sciences in the United Nations Educational, Scientific and Cultural Organization since 2001, Professor Walter R. Erdelen obtained a Ph.D. in Ecology and Zoology (1983) from the University of Munich, Germany. His scientific work has also taken him to countries such as India, Sri Lanka, the Maldives and the UK. He worked at the Institute of Biogeography, Saarland University until 1995, before moving to the University of Würzburg, where he was Professor of Ecology and Biogeography (1995-1997) and Director of the University's Ecological Field Station. He was visiting Professor at the Department of Biology of the Institute of Technology in Bandung, Indonesia (1997-2001). He played a leading role in the Six Universities Development Rehabilitation Project in Indonesia. He was also a Scientific Adviser (1991-1992) to the Commission of the European Communities for project proposals from Member States. He was supervising member of the Ecotechnological Task Force (1989-1993) at the Saarland University. Professor Erdelen has worked as a consultant for a number of national

BIOGRAPHIES

and international organizations on ecological research and conservation programmes in developing countries. He is involved in scientific co-operation programmes, in collaboration with the UNESCO Regional Offices and the Committee of the Man and the Biosphere Programme. He has published books and numerous journal articles in his fields of specialization and is a member of a number of national and international professional associations.



Professor Nagia ESSAYED
Commissioner for Human
Resources, Science
& Technology
AFRICAN UNION ADDIS ABABA

<http://www.answers.com/topic/nagia-essayed>

Professor Nagia M. Essayed is a Libyan from Tripoli. She holds a Ph.D in Housing and Urban Design attained in 1981 from the University of Liverpool, England, as well as a Masters Degree in Civic Design (1970) from the same University. She has over thirty years of working experience as civil servant, a Town Planner, Head of Urban Planning Division and the Chief Engineer of the Municipality of Tripoli. Her academic career started in 1972 as a Lecturer at the Faculty of Engineering, University of Al-Fateh, then as Assistant Professor, and Head of Urban Planning Department at the Faculty of Engineering at the University of Garyounis in Benghazi;

then, back to Al-Fateh in 1998 as Professor of Housing. She served the Libyan universities in different capacities, besides professionally practicing in her own consultancy firm until her election as AU Commissioner in March 2004. Professor Essayed is a member of both the Libyan Association of Engineers and the Scientific Society of Engineers. She worked as a Consultant for the National Board of Tourism and the National Consulting Bureau for Utilities as a former member of the National Committee for Standards and Specifications of Libyan Housing Building Materials.



Professor Stefano FANTONI
Director
International School for
Advanced Studies (SISSA)
TRIESTE

After his doctoral work in Pisa, Professor Fantoni has held various academic positions in Pisa, Lecce (Italy), and SISSA, where he is now the Director. He has held several visiting positions at institutions such as Niels Bohr Institute in Copenhagen and the University of Illinois at Urbana-Champaign. He is one of the leaders in the development of many-body methods for strongly correlated Fermi systems and is interested in a wide range of problems of nuclear physics, high-Tc superconductivity, Hubbard models, and fractional quantum Hall effect, on which he has published widely.

Among other such activities, he is the founder of the Elba International Physics Centre (EIPC), Isola d'Elba, Italy, and the Director of EIPC from 1986 to 1992. He has served on editorial boards of two important journals in his field and co-edited more than 20 books in popularization of science. He is the recipient of the 2001 Kalinga prize awarded by UNESCO and the 2002 Premio Piazzano.



Hon. Mr. Giuseppe FIORONI
Minister of Education
ITALY

http://www.palazzochigi.it/Governo/Biografie/ministri/fioroni_beppe_it.html

Born in Viterbo in 1958, Giuseppe Fioroni is a specialist in internal medicine and researcher at the Agostino Gemelli Polyclinic of the Sacred Heart Catholic University. In 1989 he became Lord Mayor of Viterbo, and remained in office until 1995, year in which he founded Federsanità ANCI, a foundation comprising both the hospital and health authorities and the local municipalities, with the purpose of improving public health through the collaboration of the national health service and the health systems of the local autonomies. In 1996 he was elected to Parliament with the Italian Popular Party, where he was first of all head of the Department

of Health and subsequently Managing Director. In 2001 Dr. Fioroni was re-elected to Parliament with the "Margherita" Party, where he was head of the Department of Solidarity and subsequently head of the local authorities. He was re-elected to Parliament in 2006. He is on the Executive Committee of the "Margherita" Party and head of the local authorities. He is currently the Minister of Education in the Italian Government.



**Hon. Min.
Andrei Aleksandrovich
FURSENKO**
Minister of Education and
Science RUSSIAN FEDERATION

<http://www.answers.com/topic/andrei-aleksandrovich-fursenko>

Andrei Aleksandrovich Fursenko is the Minister of Education and Science of the Russian Federation since March 2004. He graduated from the Department of Mathematics and Mechanics of Leningrad State University, where he was a researcher, head of the Computer Department, and deputy director for science. He was vice-president of the R&D company Advanced Technology Center Ltd., the Director General of the St. Petersburg Regional Foundation for Scientific and Technological Development, the CEO of the Russian-German Joint Venture Investment Consulting Company St. Petersburg (ICC). In September 2000 - 2001 he was a Philippines

BIOGRAPHIES

consul in St. Petersburg. Since October 2000 he has been the Chairman of the Academic Council of the Foundation “Centre for Strategic Research North-West”, and served first as Deputy Minister of Industry, Science and Technologies of the Russian Federation, and later as Minister.



Hon. Min. Professor Yaye Kene GASSAME DIA
Minister of Scientific Research
SENEGAL

Professor Gassame Dia is a former Professor of Microbiology and Plant Biotechnology (1985-2005), and has been Minister of Scientific Research of Senegal since 2005. Her other roles have been Chairperson of the African Ministerial Conference on Science and Technology, Vice-chair of the General Assembly of COMSTTECH, and National Coordinator of Biotechnology and Biosafety for Senegal. She is a member of the West African Biotechnology Network, the National Academy of Sciences and Techniques of Senegal, the African Biotechnology Support Forum, and the Third World Organization for Women in Science. She is author of several scientific publications in plant biotechnology, and has trained almost 30 young scientists to the M.Sc. and 3rd Cycle degree level.



Professor Mohammed HASSAN
Executive Director
The Academy of Sciences for
the Developing World (TWAS)

President, African Academy of Sciences
TRIESTE

<http://sustainabilityscience.org/content.html?contentid=511>

Mohamed H. A. Hassan is Executive Director of the Academy of Sciences for the Developing World (TWAS), an autonomous international organization founded in Trieste. Professor Hassan is also President of the African Academy of Sciences (AAS), Secretary General of the Third World Network of Scientific Organizations (TWNSO), and serves on a number of committees with other organizations worldwide. He was born in the Sudan in 1947 and holds a Ph.D. in Plasma Physics from the University of Oxford, UK (1974). A former professor and Dean of the School of Mathematical Sciences at the University of Khartoum, he received the order of scientific merit of Brazil and is a fellow of TWAS, AAS, and the Islamic Academy of Sciences, as well as an honorary member of the Colombian Academy of Exact, Physical and Natural Sciences. His research areas include theoretical plasma physics, physics of wind erosion and sand transport.



Hon. Min. Mr. Hany Mahfouz HELAL
Minister of Higher Education
and Scientific Research
Egypt

Professor Hany Mahfouz Helal, Minister of Higher Education and Scientific Research of Egypt, is a specialist in Rock Mechanics and Engineering Geology. His other roles have included the Presidency of “Université Senghor”, the French Language International University at the Service of African Development, Egyptian National Coordinator of the European Union Programme for the Development of Higher Education, UNESCO Consultant/Administrative Director ad interim of the International Centre for Synchrotron Light Experimental Sciences and Applications in the Middle East, to be established in Jordan, Cultural and Scientific attaché in France, Belgium, Luxemburg and Switzerland, and Director of the Cultural, Scientific and Education Bureau of the Egyptian Embassy in Paris, Programme Specialist, Earth Sciences, UNESCO Regional Office for Science and Technology for Arab Countries. He is member of the International Society of Rock Mechanics, the International Society of Engineering, the Committee for the Resoration of the Sphynx, the Egyptian Organization of Antiquities, the Arab Society of Material Sciences, the Commission for the Conservation of Monuments in Natural Stone and the Permanent Committee for Egyptian Antiquities, Supreme Council of Antiquities. He was honoured by the award of

Chevalier of the Order of Arts and Literature by the French Ministry of Culture, and the Special prize of the Egyptian Academy for Scientific and Technological Research in the Management and Conservation of Historical Sites.



Professor Furio HONSELL
Rector
University of Udine
Italy

<http://www.uniud.it/ateneo/organizzazione/organirettore/rettor/>

Professor Furio Honsell graduated with degrees in mathematics and has held research and faculty positions at the Department of Computer Science of the University of Turin, Edinburgh University, and the University of Udine. Since 1990 he has been a full professor of the University of Udine, where he directed the Computer Centre until 1992, the Department of Mathematics and Computer Science from 1992 to 1995, and was Dean of the Faculty of Mathematics, Physics and Natural Sciences from 1995 to 1998. He has been Rector of the University of Udine since June 2001. He is a permanent guest of the television programme “Che tempo che fa” conducted by Fabio Fazio.

BIOGRAPHIES



**Lord Julian Hunt
of Chesterton, CB, FRS**

Professor of Climate Modelling
Former Director-General and
Chief Executive of the

Meteorological Office U.K.

<http://www.cpom.org/people/jcrh/cv-brief.htm>

Lord Julian Hunt of Chesterton is Professor of Climate Modelling in the Department of Space & Climate Physics, and the Department of Earth Sciences, and Honorary Professor of Mathematics at University College London. He is a Fellow of Trinity College Cambridge and an Honorary Professor in the Department of Applied Mathematics and Theoretical Physics, University of Cambridge. He is also a J.M. Burgers visiting professor at the Delft University of Technology, and Director of Lighthill Institute of Mathematical Sciences. He was Director-General and Chief Executive of the Meteorological Office from 1992 to 1997, and served on the Executive Committee of the World Meteorological Organisation. He helped found the European Research Community for Flow, Turbulence and Combustion and was Chairman of its Scientific Programme Committee from 1990 to 1994. He was elected a Fellow of the Royal Society in 1989 and was awarded the L.F. Richardson Prize of the European Geophysical Society in 2001. He was appointed Vice-President of the National Society for Clean Air in 2001. Among the many important community services he has provided is

through the Associate Editorship of the Journal of Fluid Mechanics. He was a member of the National Environment Research Council from 1994 to 1996, and for one year chaired the Atmospheric Science Research Committee. During 1998-99 he was a member of the Council of the Royal Society, involved in initiatives on prevention of the spread of biological weapons, government policy on data and natural disasters and sustainable development. From 1998 he was chairman of the Scientific Committee and the RISK Group. In 2001 he became Chairman of the Advisory Committee for the Protection of the Sea Ltd. With his colleagues at Cambridge he developed a new air pollution dispersion model which is now the standard model for the UK Environment Agency.



Hon. Mr. Riccardo ILLY
President
Regione Friuli-Venezia Giulia

http://en.allexperts.com/e/r/ri/riccardo_illy.htm

Riccardo Iilly, the President of Italy's Friuli-Venezia Giulia Region, is both politician and businessman. He started work in the family's coffee making firm in 1977, of which he is now Vice President. He has held the positions of Vice President of the Association of Industrialists in Trieste and President of the Seminario

Permanente Veronelli. He was elected Mayor of Trieste twice, in 1993 and 1997. Until 2002 he was Chairman of the Organizing Committee for the Transpadane European Railway Line. He was conferred the "Ordine al Merito della Repubblica Italiana" honour by the President of the Italian Republic in 1997 and the "Golden Honorary" title by the President of the Austrian Republic. He was awarded an honoris causa degree in Political Sciences by the University of Trieste. In 2001 he was elected Member of the Italian Parliament, and President of the Friuli-Venezia Giulia Region in 2003. He was elected President of the Assembly of European Regions (AER) in December 2004. The AER currently has 250 member Regions from 30 European countries.



Dr. Lawrence L. KAZMERSKI
Director National Centre
for Photovoltaics
U.S.A.

<http://www.matse.psu.edu/news/stories/06Taylor.html> - kaz

Lawrence L. Kazmerski is Director of the National Center for Photovoltaics at the National Renewable Energy Laboratory, Golden, Colorado. He received his Ph.D. degree from the University of Notre Dame and was on the faculty of the University of Maine before moving to SERI

(NREL) in 1977. His research work has been on thin-film photovoltaics. He was SERI's first staff member in photovoltaics and has led NREL efforts in measurements and characterization for more than 20 years. He has held adjunct professorships at the University of Colorado, Colorado School of Mines, and the University of Denver. Dr. Kazmerski has published over 300 papers in the areas of solar cells, thin films, semiconductor materials and devices, surface and interface analysis, molecular beam epitaxy, semiconductor defects, scanning probe microscopy, nanoscale technology, high-temperature superconductivity, solar and photovoltaics technologies, and solar hydrogen. He has authored or edited four books, and serves on the editorial board of several journals. He was co-founder and editor of the journal SOLAR CELLS, published by Elsevier-Sequoia, Editor-in-Chief of the Elsevier journal, Renewable and Sustainable Energy Reviews. Kazmerski was the recipient of the Peter Mark Memorial Award of the AVS in 1981 and IEEE William R. Cherry Award in 1993. He is a Fellow of the Institute of Electrical and Electronics Engineers (IEEE), the American Physical Society (APS), the AVS, and the International Energy Foundation (IEF), and a member of the National Academy of Engineering.

BIOGRAPHIES



Sir David KING, KB ScD FRS
Chief Scientific Advisor to H.M. Government and Head of the Office of Science and Technology U.K.

Sir David King was appointed as the Government's Chief Scientific Adviser and Head of the Office of Science and Innovation in October 2000. Born in South Africa in 1939, after an early career at the University of Witwatersrand, Imperial College and the University of East Anglia, he became the Brunner Professor of Physical Chemistry at the University of Liverpool in 1974. In 1988, he was appointed 1920 Professor of Physical Chemistry at the University of Cambridge and subsequently became Master of Downing College (1995-2000), and Head of the University Chemistry Department (1993-2000). He retains his position as Director of Research in the Department of Chemistry at Cambridge University.



Prof. Dr. Nouria LAKHDAR-GHAZAL
Head Neuroscience Unit and Group of Research on Biological Rhythms - Faculty of Science

Mohammed-V University MOROCCO

http://portal.unesco.org/education/en/ev.php-URL_ID=35208&URL_DO=DO_TOPIC&URL_SECTION=201.html

Dr. Lakhdar-Ghazal is a member of the Regional Scientific Committee for Arab States. She has a Ph.D. in Neurosciences from Mohammed-V University, Rabat, Morocco, and has published in areas of Neurobiology of rhythmic functions; energy metabolism; adrenoceptors and monoamine content in the cerebral cortex of *Jaculus orientalis*; sexual differences and seasonal variation in polypeptide immunoreactivity; seasonal variation of melatonin and hormones concentrations; effect of prolonged illumination during the night; mapping of vasopressin binding sites; mechanisms involved in the photoperiodic control of neuropeptide levels; correlation of brain areas containing melatonin-binding sites with rhythmic functions in five hibernator species; biological clock; involvement of hypothalamus in the phase-advance of temperature and activity rhythm; hypothalamus integration of the photoperiodic information, psychomotor performances and nutrition.



Dr. Bruno LANVIN
Advisor
Global Information & Communication Technologies
World Bank

Bruno Lanvin is the World Bank's lead advisor on e-strategies, and Regional Coordinator for Europe and Central Asia for Global ICT. He also leads GICT's Capacity Building Practice, and chairs the World Bank E-Thematic Group.

He was formerly the Manager of the Information for Development Program; Executive Secretary of the G-8 'DOT Force', the G-8 initiative launched by the Okinawa Summit of July 2000 to bridge the Digital Divide; and Head of Electronic Commerce in the United Nations Conference on Trade and Development (UNCTAD) in Geneva. During his twenty years with the United Nations, he has been the Chief of Cabinet of the Director General of the United Nations in New-York, Head of Strategic Planning and later Chief of the SME Trade Competitiveness Unit of UNCTAD/SITE. He has been the Deputy Executive Secretary of the UN International Symposium on Trade Efficiency and General Manager of the Global Electronic Trade UN Partnership. He was also the World Coordinator of the United Nations Trade Point Program, a global e-commerce network operating in over 100 countries. He has published a large number of articles and books on ICT and development and co-authored the Global Information Technology Report. He holds a BA in Mathematics and Physics from the University of Valenciennes (France), an MBA from Ecole des Hautes Etudes Commerciales (HEC) in Paris, and a PhD in Economics from the University of Paris I (La Sorbonne) in France.



Dr David LINDLEY, OBE, FREng, FRSA
Director
Ocean Power Delivery Ltd.
U.K.

http://www.wrec2006.com/awards/awards_researcher.htm

David Lindley was recently Chairman of Ocean Power Delivery Ltd and remains now a non Executive Director. He is also currently a non executive Director of KP Renewables PLC and a Member of the Advisory Council of SAM Private Equity Sustainability Fund II of Switzerland. He was founder and managing director of National Wind Power Ltd, the UK's leading developer and operator of both onshore and offshore wind-farms. He was founder and managing director of Wind Energy Group Ltd, a company jointly owned by Taylor Woodrow, British Aerospace and GEC that designed and manufactured wind turbines and rotor blades and constructed wind farms in the USA, Italy, Spain and the UK. He has previously held other posts in the UK, New Zealand and the USA. He is a Fellow of the Royal Academy of Engineering, a Fellow of the Royal Society of Arts, Manufacture and Commerce and was awarded an OBE for his services to renewable energy and the wind turbine industries. He was awarded the Melchett Medal by the Institute of Energy, London in 1990, the Stephenson Medal by the University of Newcastle and the James Watt Medal by the Institution

BIOGRAPHIES

of Civil Engineers. He is a member of several advisory Boards and Government Committees including the UK Government's Renewable Energy Advisory Group, and the Council for Fuel and Power.



Dr. Dmitry Viktorovich LIVANOV
Director
Department of Science,
Innovation and
Intellectual Property

Ministry of Education and Science of the Russian Federation and Rector State Technological University Moscow Russian Federation

Born in 1967, Dmitri Livanov is Director of the Department of Science, Innovation and Intellectual Property in the Ministry of Education and Science of the Russian Federation, and also serves as professor in the Department of Non-Ferrous Metals Physical Metallurgy at the Moscow State Institute of Steel and Alloys, where he previously served as vice rector for international relations. Dr. Livanov began his career as a researcher at the Moscow State Institute of Steel and Alloys in 1992, and has since served the Institute in various roles, including professor in the Department of Theoretical Physics and deputy head of the Research Division. He holds a D.Sc. from the Moscow State Institute of Steel and Alloys, and an L.L.M. from the Moscow State Law Academy. He has been Rector of the State Technological University

MISIS (Moscow, Russia) since April 2nd, 2007. Author of 58 scientific publications, including 49 published abroad, in 2000 he was awarded the Russian Academy of Science's Medal for Young Scientists.



Hon. Mr. Giovanni MANFREDI
Minister Plenipotentiary and
Co-ordinator for Energy Issues
Directorate General for
Multilateral Economic and

Financial Co-operation Ministry of Foreign Affairs Italy

Career diplomat and Minister Plenipotentiary at the Italian Ministry of Foreign Affairs, Rome, Mr. Giovanni Manfredi has been Co-ordinator for Energy Issues and Head of the Energy, Space, ICT and Multinational Aerospace and Defence Programmes Department of the Italian Ministry of Foreign Affairs' Directorate General for Multilateral Economic and Financial Cooperation since April 2005.

His previous postings include Deputy Chief of Mission at the Italian Embassy in Cairo, Egypt (2000 - 2004), Head of the Co-ordination Unit of the Secretary General's Office at the Italian Ministry of Foreign Affairs (1996 - 2000) and Deputy Chief of Mission at the Italian Embassy in Ankara, Turkey (1993 - 1996).

He obtained a Bachelor of Arts Degree in Political Science from the University of Pennsylvania

(Philadelphia, PA). and his "Laurea" in Political Science from the "La Sapienza" University of Rome.



Hon. Dr. Mosibudi MANGENA
Minister of Science &
Technology
SOUTH AFRICA

<http://www.info.gov.za/leaders/ministers/scitech.htm>

Mr. Mangena was born in 1947. He holds an M.Sc. degree in Applied Mathematics from the University of South Africa. He is presently the Minister of Science and Technology of the Republic of South Africa since 2004, and President of the Azanian People's Organisation (AZAPO). He has authored four books: On Your Own (September 1989), Quest for True Humanity (1996), A Twin World (1996) and My Grandmother is Permanent (2004).



Professor Laura MARCHETTI
Under-Secretary
Ministry of the Environment and
Protection of Land and Sea
Italy

Professor Laura MARCHETTI, Under-Secretary of the Ministry of the Environment and Protection of Land and Sea, was a teacher of philosophy and history, and Environmental Education and Ethnology. She plays a fundamental role in the movements against the militarisation of Murgia (Puglia) and the privatisation of common heritage. In 1994 she was nominated by Romano Prodi to the committee of the "seven wise men", to co-ordinate the environmental part of the Ulivo government's national programme. In her current role as Under-Secretary of the Ministry of the Environment and Protection of Land and Sea, she is also responsible for the protection of natural and cultural landscapes, environmental education and management of the environment. Professor Marchetti collaborates with Italian and international philosophical journals, and has authored several books, winning in 1997 the "S. Valitutti" International Prize for Literature and Philosophy.

BIOGRAPHIES



Hon. Mr. Koïchiro MATSUURA
Director-General of UNESCO

http://portal.unesco.org/en/ev.php-URL_ID=32496&URL_DO=DO_TOPIC&URL_SECTION=201.html

Koïchiro Matsuura has led UNESCO since 1999, carrying out major institutional reforms while advancing a range of programmes from universal basic education to freshwater management to the preservation of living arts and cultures.

Born in Tokyo in 1937, he was educated at the Law Faculty of the University of Tokyo, and at Haverford College, where he earned a B.A. in economics (Phi Beta Kappa, 1961). He returned to the College's Pennsylvania campus in 2006 to receive an honorary doctorate in law from his alma mater.

Mr. Matsuura began his diplomatic career with a posting to Ghana, covering ten West African countries, leading to a lifelong passion for the cultures and people of Africa. He worked in development co-operation throughout his career, and in political affairs with a focus on North America. In the 1970s he served as Counselor at the Embassy of Japan in Washington, DC, and later as Consul General in Hong Kong. As Deputy

Minister for Foreign Affairs from 1992-1994, he was Japan's Sherpa for the G-7 Summit.

In 1999, while serving as Japan's Ambassador to France and chairing UNESCO's flagship World Heritage Committee, Mr. Matsuura was elected by Member States to his first term as Director-General of UNESCO. He undertook a sweeping reform, cutting high-level posts, strengthening resources in the field, and focusing on key programme priorities. After a first term marked by programme and reform accomplishments, as well as the addition of new countries, including the United States, to membership in UNESCO, he was re-elected to a second term in November 2005.

Mr. Matsuura has authored books in Japanese, English and French on UNESCO, international relations, the intersection between diplomacy and development cooperation, Japan-US relations, Japan-French, and a history of the G-7 Summit.



Professor Lynn MEEK
Director
Centre for Higher
Education Management
and Policy (CHEMP)

School of Professional Development and Leadership - University of New England
AUSTRALIA

<http://www.une.edu.au/ehps/staff/vmeek.php>

Lynn Meek is Professor and Director of the Centre for Higher Education Management and Policy (CHEMP) at the University of New England in Armidale, New South Wales, Australia. Trained in sociology of higher education at University of Cambridge, specific research interests include governance and management, research management, diversification of higher education institutions and systems, institutional amalgamations, organizational change, and comparative study of higher education systems. Professor Meek has published 27 books and monographs and numerous scholarly articles and book chapters. He is on the editorial board of several international journals and book series. He is a member of the UNESCO Scientific Committee for Asia and the Pacific and lectures in Administrative Studies His research interests are sociology and anthropology of higher education; governance, funding, management and diversity of higher education; complex organisations; social theory and method.



Ing. Giancarlo MICHELLONE
President
AREA Science Park
Trieste
ITALY

Giancarlo Michellone is President of Trieste's AREA Science Park since 2007. He commenced his career at the FIAT car manufacturers in 1969, becoming Director of the New Product Centre of the newly-founded FIAT Research Centre. In 1984 he founded the Innovation Department of FIAT Auto and subsequently became Executive Vice President of FIAT Auto and Product Planning and Development. He remained with the Group as President and CEO of the FIAT Research Centre and was Member of the Executive Committee of the FIAT Group and its Vice President, as well as Chairman of the FIAT Research Centre. He is author of 139 patents, and holder of numerous positions of responsibility (Member, Chairman, President, etc.) on important bodies. He was Mayor of Cambiano (a town in Piemonte near Turin) and "Assessore LLPP" of the same town. Among other positions he has held, he is President of ATA - Associazione Tecnica dell'Automobile, Vice President of the Unione Industriale Torino (the Union of Industries in Turin), Member of the Board of Directors of Fiat Auto with responsibility for the Environment and Safety, Member of the CNR General Scientific Committee since 2006 and Member of the Transport Advisory Group of the European Union for the 7th Framework Programme

BIOGRAPHIES



**Professor
Goolam T. G. MOHAMEDBHAI**
President
International Association of
Universities, UNESCO PARIS

http://www.bi.ulaval.ca/Globalisation-Universities/pages/bio_cv/mohamedbhai.html

Professor Goolam Mohamedbhai studied civil engineering at the University of Manchester, UK, from where he obtained his PhD. He then joined the University of Mauritius as Lecturer in 1972 and was appointed Professor in 1978. In 1980 he did his postdoctoral research at the University of California, Berkeley, on reinforced concrete structures, and he has widely published in international journals. He is also the author of some 20 conference papers and technical reports. He is a member of professional civil engineering associations in UK, USA and Mauritius. He has served as Dean of the Faculty of Engineering and Pro-Vice-Chancellor of the University of Mauritius before his appointment as Vice-Chancellor. Professor Mohamedbhai has worked for a number of international organizations in Canada, Africa, UNCHS (Habitat), the UNESCO Regional Office for Education in Africa and the Association of African Universities. In Mauritius, he has served on many important policy-making bodies. He has been a member of the UNESCO Regional Advisory Committee on Higher Education in Africa, the UNESCO Advisory Committee on Regional Co-

operation in Education in Africa and a member of the Council of the Association of Commonwealth Universities. Currently he chairs the Administrative Council of the University of the Indian Ocean and the University Mobility in the Indian Ocean Rim (UMIOR) and is a member of the Administrative Board of the International Association of Universities, the Indian Ocean Rim Academic Group and the UNESCO African Regional Committee on World Conference on Higher Education.



Professor Teboho MOJA
Department of Administration
Leadership and Technology
The Steinhardt School
of Education U.S.A.

http://steinhardt.nyu.edu/faculty_bios/view/Teboho_Moja

Teboho Moja has authored articles on higher education reform and is a co-author of a forthcoming book on educational change in South Africa. Her teaching experience includes high school and university levels. She has held key positions in several South African universities including chair of the Board of Trustees to the University of South Africa. She was instrumental in setting up the Center for Higher Education Transformation (CHET) in South Africa to monitor and stimulate debates on change issues. She serves on the boards of international bodies

such as the UNESCO-Institute for International Education Planning and the World Education Market. Her interests include Current Research in Higher Education, International Perspectives on Reform, and Globalization and Higher Education. She has been a policy researcher and policy analyst for higher education in South Africa. She was appointed the Executive Director and Commissioner to the National Commission on Higher Education appointed by President Mandela. The Commission produced a national report that provided a framework for higher education reform in South Africa. Before coming to NYU, Teboho Moja served as a Special Advisor to the Minister of Education. She also serves on several Advisory Boards and Education Journals.



Mr. Giuseppe MORSILLO
Head of the Director's General
Policy Office
European Space Agency (ESA)
PARIS

Born in 1959, Italian, married, three children. Graduated with honours in Electrical Engineering in March '83 at the Politechnic of Napoli (I). Twenty-four years of experience in international environments, operating in functions of Production, Engineering, Programme management, Operative marketing and sales, Procurement, Strategic marketing, Strategic planning and control, National and international relations.

From 2001 to mid 2005 in Italian Space Agency, where he served initially as Head of Strategic Planning, then Head of Strategic Planning and Control, and from 2004 as Head of Strategy & National and International Relations, while being Chairman of ELV, Italian delegate to ESA Council, Italian delegate to ESA-EC High-level Space Policy Group and member of the Italian delegation to the FP6 Aerospace Programme Committee.

From 1983 to 2000 he held several positions in various aerospace companies of Finmeccanica, such as: Head of Civil Marketing of Alenia Aerospazio Space Division; Head of Non-aeronautic Product Procurement of Alenia Aerospazio Aeronautics Division; Head of Commercial Marketing of Alenia Aerospazio Space Division; Technical director and programme and proposal manager in Space Controls Alenia-Honeywell; Responsible of Production, Assembly, Integration and Test for the programmes COLUMBUS and HIPPARCOS in the Operations Directorate of Alenia Spazio.

BIOGRAPHIES



Hon. Prof. Romain MURENZI
Minister of Science, Technology
and Scientific Research
RWANDA

<http://www.lectures.iastate.edu/lecture/890>

Following his higher education in Belgium, Professor Murenzi held various academic appointments in Belgium, France, and the United States, and was the Chair and full Professor of the Department of Physics at Clark Atlanta University in the US. His major research interests include leading edge technology such as continuous wavelets application to multidimensional signal processing, on which subject he has published widely. In his current position as Minister of Education, Professor Murenzi is committed to the expansion and modernisation of the Rwanda education system. Professor Murenzi is currently a board member of the Dian Fossey Gorilla Fund International (an organization based in Atlanta, committed to Mountain Gorilla Conservation in the Virunga park), Chairman of the Board of the National University of Rwanda, Chancellor of the Kigali Institute of Science and Technology (KIST), and the Kigali Institute of Health. He is a Member of the American Physical Society (APS) and the Institute of Electronic and Electric Engineers (IEEE).



Hon. Mr. Fabio MUSSI
Minister of the University and
Research
ITALY

http://www.governo.it/Governo/Biografie/ministri/mussi_fabio_it.html

Italy's Minister of the University and Research, Fabio Mussi, was a student at the Scuola Normale and graduated from the University of Pisa in October 1972. In 1974 he became editor of *Rinascita*, one of the most important European politico-cultural titles of the time, becoming deputy director in 1979. He was Secretary of the PCI Regional Committee of Calabria, Co-Director of l'Unità and Member of the National Council of the Democratic Party of the Left. Mussi's parliamentary career began in 1992 when he was elected deputy for the Pisa - Livorno - Lucca - Massa-Carrara district. He was re-confirmed in 1994 and 1996. During the 2001 elections he was elected to the 29th district, Piombino, and nominated Vice-President of the chamber by his parliamentary colleagues. After the 2006 elections and the centre-left's victory, Mussi received another parliamentary mandate and was the first provisional president of the chamber of the 15th legislative. He is now the Minister of the University and Research.



Hon. Mr. Luigi NICOLAIS
Minister for Reform
and Innovation
ITALY

http://www.governo.it/Governo/Biografie/ministri/nicolais_luigi_it.html

Italy's Minister for Reform and Innovation, Luigi Nicolais, is full professor of Polymer Technologies at the "Federico II" University of Naples, and adjunct professor at the Universities of Connecticut, Washington and Seattle. He has approximately 400 publications in international journals and is the author of 20 patents. He is among the 63 most quoted Italian researchers in the world. Among his awards are Ordine al Merito della Repubblica Italiana, certificate of honour from the Society for the Advancement of Material Engineering, "Guido Dorso" International Prize, and Tanurri Foundation's Scanno Prize for Technological Innovation. Professor Nicolais directed the Department of Material Engineering and Production, he founded the Inter-departmental Centre for Research on Biomaterials of the "Federico II" University. He has held many policy positions in the education system. He was councillor for University and Scientific Research, Technological Innovation and New Economy, Information and Statistics Systems, Museums and Libraries of the Campania Region. He is the President and founder of IMAST, Technological "District" for Polymer Ma-

terials and Structures, and President of the City of Science, President of ARTI, Puglia's Regional Agency for Technology and Innovation.



**Professor
Miguel NUSSBAUM VOEHL**
Head
Computer Science Department
College of Engineering

Catholic University of Chile CHILE

http://portal.unesco.org/education/en/ev.php-URL_ID=38694&URL_DO=DO_TOPIC&URL_SECTION=201.html

Professor and Head of the Computer Science Department, College of Engineering, Catholic University of Chile, Professor Miguel Nussbaum Voehl obtained his doctorate in Technical Science from the Eidgenössische Technische Hochschule (ETH), Zürich, Switzerland. He has published in the areas of microcomputers, artificial intelligence, computer architecture, expert system for the planning of airways, human computer interaction, mobile computer and robotic supported collaborative learning, methodology for evaluating a novel education technology and other such areas. He is member of the board of FONDECYT (Chilean National Science Foundation), the Education Committee of FONDEF (fund for the research of applied technology), the undergraduate committee of MECESUP (fund for the development of the

BIOGRAPHIES

Chilean Universities) and the advisory committee of the Minister of Education for the ENLACES project (use and deployment of computers in Chilean schools). He received in 2004 the prize of "Innovation in Education".



Mr. Michael W. OSBORNE

Director of the International Futures Programme and the Global Science Forum Organisation for Economic

Co-operation and Development (OECD)
FRANCE

http://www.oecd.org/image/0,2914,en_36719422_36719572_37750034_1_1_1_1,00.html

Michael Osborne has been at the Organisation for Economic Co-operation and Development (OECD) since 1980, and has held posts as Senior Research Fellow (China and Pacific Basin), Executive Assistant to the Deputy Secretary General of OECD, Head of the Science and Technology Policy Division of OECD, and Deputy Director for Science, Technology and Industry. He is currently Director of the OECD International Futures Programme and the Director for the OECD Global Science Forum. He has worked on the political economies of the Pacific Basin countries, and published books and articles on technology and direct foreign investment issues in the People's Republic of China. Over his

career, Mr. Osborne has worked extensively in the areas of biotechnology, science policy, innovation policy frameworks, information technology policy and the political economy of China. Currently, the International Futures Programme is working on projects focused on space, the new security economy (particularly biosecurity issues), monitoring and managing new systemic risks, the emerging bio-economy, and infrastructure. Mr. Osborne chairs the OECD Internal Coordinating Group on Biotechnology and Nanotechnology.



Professor Jacob PALIS

President
TWAS
Trieste

Dr. Palis is professor of mathematics at the Instituto Nacional de Matemática Pura e Aplicada in Rio de Janeiro, president of the Brazilian Academy of Sciences and president of TWAS, the Academy of Sciences of the Developing World. He obtained his PhD in 1967 at UC Berkeley. He has served in various capacities at the International Mathematical Union, the International Council for Science and the Scientific Councils of ICTP, ETH-Zurich, and Collège de France. He holds several honorary degrees. His awards include: Moinho Santista, Brazil; Brazilian National Prize for Science and Technology; Interamerican Prize for Science; Prêmio México

de Ciência e Tecnologia; and Grand-Croix National Order of Scientific Merit, Brazil. His membership includes the Brazilian, Latin American, Indian, Chilean, Mexican, French, European and US National academies of science.



Umberto PAOLUCCI

Senior Chairman,
Microsoft EMEA
Vice President for Corporate
and Government Strategy,

Microsoft Corporation

<http://www.microsoft.com/emea/about/executivebiographies/umbertoPaolucci.msp>

Umberto Paolucci has been corporate vice president of Microsoft Europe, Middle East and Africa (Microsoft EMEA) since 1998, and became senior chairman for Microsoft EMEA in March 2003. He has taught in high schools, worked in the Italian army as lieutenant, and has spent his professional life in the world of information technology with Hewlett-Packard Co., and General Automation Inc. in Anaheim, California, where he became general manager. In 1985 he established Microsoft's Italian subsidiary, and in his current role he retains his responsibilities as president of the company's operations in Italy. He is Rotarian and president of the Milan South East Club, was awarded a degree honoris causa by the University of Bologna, made Cavaliere del Lavoro

by the President of Italy and received the Gold Keys to his home town, Cattolica. In November 2004 the archbishop of Milan awarded Paolucci a doctorate honoris causa with the Biblioteca Ambrosiana on the 400th anniversary of its foundation. Paolucci serves on the boards of several companies, associations and foundations in Italy and Europe.



Dr. Aristides PATRINOS

President
Synthetic Genomics, Inc.
U.S.A.

<http://www.syntheticgenomics.com/press/2006-02-02.htm>

Dr. Patrinos joined Synthetic Genomics from the Department of Energy (DOE)'s Office of Science where he was the associate director of the Office of Biological and Environmental Research. Dr. Patrinos is renowned for his leading role in the development of the United States government-funded Human Genome Project helping to guide the historic sequencing of the human genome to completion. Dr. Patrinos helped create the DOE's Joint Genome Institute in 1997 to unite the expertise and resources in genome mapping, DNA sequencing, technology development, and information sciences pioneered at four DOE genome centers, and developed and launched the DOE's Genomes to Life Program. In addition,

BIOGRAPHIES

Dr. Patrinos has represented the DOE on the Interagency Program on Global Change Research, and on other interagency and international bodies dealing with biological and environmental issues. He was one of the original architects of the U.S. Global Change Research Program. He is a Fellow of the American Association for the Advancement of Science (AAAS), a Fellow of the American Meteorological Society, a Member of the American Geophysical Union, a Member of the American Society of Mechanical Engineers, and a Member of the Greek Technical Society. He is the recipient of numerous awards and honorary degrees including three Presidential Rank Awards and two Secretary of Energy Gold Medals, as well as an honorary doctorate from the National Technical University of Athens.



Professor Martin L. PERL
Nobel Laureate
Department of Stanford Linear
Accelerator Center
Stanford University U.S.A.

<http://www.slac.stanford.edu/slac/faculty/hep-faculty/perl.html>

Most of Professor Perl's academic career has been spent at the Stanford Linear Accelerator at Stanford University. His research interests are in experimental elementary particle physics: electron-positron annihilation physics, tau lepton physics, searches for new elementary particles

and phenomena, small liquid drop technology and applications, interaction of science with government and society. Among the numerous recognitions he has received are the Nobel Prize in Physics, 1995, Wolf Prize in Physics, 1982, Honorary Doctorates from the University of Chicago and Polytechnic University. He is a Fellow of the American Physical Society and Member of the US National Academy of Sciences. He was previously a Member of the CERN Scientific Policy Committee.



Mr. Pasquale PISTORIO
Vice President for Innovation
and Research
Confindustria

[http://www.confindustria.it/Conf2004/DbDoc2004.nsf/\(all\)/C899A86D74F99BC1256FAB00340926?OpenDocument&MenuID=6AD28F7445DE127CC1256FAB005706A7](http://www.confindustria.it/Conf2004/DbDoc2004.nsf/(all)/C899A86D74F99BC1256FAB00340926?OpenDocument&MenuID=6AD28F7445DE127CC1256FAB005706A7)

Pasquale Pistorio is Confindustria's Vice President for Innovation and Research. He holds a university degree in Electrotechnics. He has been honoured by Lauree honoris causa from the Universities of Genoa, Malta, Pavia, Catania, Palermo and of Sannio, is Honorary Chairman of STMicroelectronics and Board Member of the ANIE Federation. Previously, he held many important offices, such as President and Chief Executive Officer, STMicroelectronics, President

and Chief Executive Officer of SGS-THOMSON Microelectronics, President & Chief Executive Officer of the SGS Group, Chairman of the European Union's Technology Platform, Member of the Board of Directors, MEDEA, Member of the United Nations Task Force dedicated to bridging the Digital Divide, Director General of the International Semiconductor Division of Motorola, in charge of planning, production and marketing for areas outside the USA, Vice President of the Motorola Corporation and World Director for Marketing Semiconductors, and Director of Marketing Semiconductors of Motorola for Europe.



Professor Phyllis PITT-MILLER
Dean
Faculty of Medical Sciences
THE UNIVERSITY OF THE WEST
INDIES

Eric Williams Medical Sciences Campus
TRINIDAD & TOBAGO

Dean of the Faculty of Medical Sciences of the University of the West Indies, Professor Pitt-Miller graduated from Edinburgh University in 1969 and returned to the West Indies to practice Medicine. She pioneered the postgraduate teaching of Anaesthesia in Trinidad, having taught over 50 D.A.'s and many DM (Anaesthetics) Graduates. She is responsible for the establishment of the Intensive Care Units at Port of Spain and Eric Williams Medical Sci-

ences Complex, as well as assisting in developing the Intensive Care Nurses Programme. She was appointed Head of Clinical Surgical Sciences in 1996 and Dean of the Faculty of Medical Sciences in 1999. The Faculty, consisting of 5 schools - the Schools of Medicine, Dentistry, Veterinary Medicine, Pharmacy and Nursing - has over 1,300 registered students and has contributed to increasing the medical professionals in Trinidad and Tobago. Professor Pitt-Miller's research interests include papers on Anaesthetic Mortality, Tetanus, Gender Issues in Medicine, Use of Magnesium Sulphate in Anaesthetic Management and Male Underachievement. More recently she has written papers on Medical Education. She is the Founding President of the Anaesthetics Association of Trinidad and Tobago, Founding member of the Friends of the Blood Bank Association and Founder of the Servol Medical Clinic at St. Barb's, Laventille. In 1994, she was awarded the country's Chaconia Gold Medal for Long and Meritorious Services to Teaching and Medicine.

BIOGRAPHIES



Dr. Dimitri PISKOUNOV

Deputy Director-General
Managing Director
Programme Development and
Technical Cooperation Division
UNIDO Vienna Austria

Dmitri Piskounov, Managing Director of UNIDO's Programme Development and Technical Cooperation Division in Vienna since February 2006, holds a Ph.D. in solid state physics and semiconductors from the Moscow Institute of Electronic Technology and a professorship in physics and microelectronics at the same institute. He started his career as Consultant of the Science and Higher Education Department of the USSR Communist Party Central Committee, after which he was appointed Deputy Chief Executive Secretary of the Presidium of the USSR Academy of Science and Advisor to the President of the USSR Academy of Sciences. He was then Director General of the Analytical Center on Science and Industrial Policy in Moscow, and Deputy Chairman of the State Committee of the Russian Federation on Industrial Policy prior to joining UNIDO in 1994 as Managing Director. From 1998 Mr. Piskounov served as Special Assistant to the Director-General defining and developing the global forum role of UNIDO; in 1999 was appointed Special Adviser to the Director-General on Economies in Transition. He successively became Director of the Europe and NIS (New Independent States) Bureau within the Programme Co-ordination and Field Operations

Division and Adviser to the Director-General engaged in restructuring the Organization. He is a member of several professional organizations, has published many research papers, patented inventions, and co-authored two monographs on industrial development issues.



Dr. Janez POTOČNIK

European Commissioner for
Science and Research
European Commission
BRUSSELS

http://ec.europa.eu/commission_barroso/potocnik/profile/profile_en.htm

Dr. Janez Potocnik, European Commissioner for Science and Research, obtained a Ph.D. in Economics from the University of Ljubljana, Slovenia, in 1993. Prior to his appointment to the EC in 2004, he was Minister for European Affairs for Slovenia (2002-2004), Head of the Negotiating Team for the Accession of Slovenia to the EU (1998-2004), Minister Councillor in the Slovenian Prime Minister's Cabinet (2001-2002), Director of the Institute of Macroeconomic Analysis and Development in Ljubljana (1993-2001) and Assistant Director of the same institute ((1984-1987) and Senior Researcher at the Institute for Economic Research in Ljubljana (1988-1993).



Hon. Mr. Romano PRODI

President of the Council
of Ministers
ITALY

http://www.governo.it/Presidente/Biografia/biografiaprodi_en.html

After graduating in law from Milan, Dr. Prodi pursued postgraduate work at the London School of Economics. He joined the Faculty of Political Science of Bologna University in 1963 and became a Full Professor in 1971, a role which he held until 1999. He was visiting professor at Harvard University and the Stanford Research Institute.

He combined his university teaching with research on Industrial Economics on the development of small and medium businesses and industrial districts and competition policy. His interests included the study of relations between the State and the Market, privatisation policies, the European integration process and, new models of capitalism. Dr. Prodi was the chairman of the Il Mulino publishing house, founded NOMISMA, one of Italy's leading economic research societies, and chaired its Scientific Committee until 1995. He has written editorials for Italy's leading dailies such as Il Corriere della Sera and Il Sole 24 Ore. For many years he was the editor of L'Industria - Rivista di economia e politica industriale. In the late

seventies Romano Prodi was the Minister of Industry, and, for some years, Chairman of the "Istituto per la Ricostruzione Industriale", Italy's largest holding company at that time. In May 1996, the President of the Republic requested him to form a new government, which remained in office until October 1998. In March 1999, the European Council elected him to serve as President of the European Commission in Brussels. He is now the Prime Minister of Italy.

The numerous honours and distinctions conferred upon him include 22 honorary degrees from universities all over the world, the Schumpeter Prize (1999), Honorary Member of the London School of Economics and Political Science (1989) and Royal Academy of Moral and Political Sciences (1997).



Dr. Pratap C. REDDY

Founder and Executive
Chairman
Appolo Hospitals Group
INDIA

http://www.chennaibest.com/cityresources/Health_and_Medicine/personalities01.asp
and
<http://www.apollohospdelhi.com/apollo-group/chairmans-profile.html>

Dr. Pratap C. Reddy, founder-Chairman of Apollo Hospitals, has made Chennai a centre for medi-

BIOGRAPHIES

cal excellence in India. He has been a catalyst in bringing quality health care to the country and modernising it. Dr. Reddy left the U.S. in the mid 1970's and set up his practice in India as a cardiologist. Moved by the death of an Indian in the U.S. for lack of money for surgery, Dr. Reddy decided to work towards improving medical infrastructure in India. The first in the chain of the countrywide Apollo Hospitals was started in Chennai. Today, Chennai and the rest of the country can be proud of the state-of-the-art medical equipment, especially the surgical equipment in the Apollo chain of hospitals. Dr. Reddy has today thirty Hospitals (owned and managed by him) with a total bed strength of 2,800. He says 3 P's are behind his success - Purity, Patience and Perseverance, but admits that he has still a long way to go.



Dr. Mihail C. ROCO
Senior Advisor
for Nanotechnology
The National Science
Foundation U.S.A.

http://193.231.133.252/Cas/2001/Invited_speakers/lmt/CV_Mihail_Roco.htm

Mihail Roco chairs the National Science and Technology Council's subcommittee on Nanoscale Science, Engineering and Technology (NSET), and is Senior Advisor for Nanotechnology at the National Science Foundation. He also

directs research opportunities in the mechanical and chemical processes, and coordinates the programmes on academic liaison with industry (GOALI). Prior to joining the National Science Foundation, he was Professor of Mechanical Engineering at the University of Kentucky (1981-1995), and held visiting professorships at the California Institute of Technology (1988-89), Johns Hopkins University (1993-1995), Tohoku University (1989), and Delft University of Technology (1997-98). Dr. Roco has published extensively including several technical books. He is the key architect of the National Nanotechnology Initiative, and coordinated the preparation of the National Science and Technology Council reports on Nanotechnology Research Directions (NSTC, 1999) and National Nanotechnology Initiative (NSTC, 2000). Dr. Roco is a Corresponding Member of the Swiss Academy of Engineering Sciences, a Fellow of the ASME, recipient of the Carl Duisberg Award in Germany, the Burgers Professorship Award in The Netherlands and the University Research Professorship award in U.S., and the Engineer of the Year (1999) by the U.S. National Society of Professional Engineers and NSF. He has been co-founder and Chair of the AIChE Particle Technology Forum, Associate Technical Editor for the Journal of Fluids Engineering, and the Editor-in-chief of the Journal of Nanoparticle Research.



Professor Carlo RIZZUTO
President
Sincrotrone
Trieste

Carlo Rizzuto is President of the Sincrotrone and Professor of Solid State Physics and Structure of Matter at the Faculty of Engineering, University of Genova. Earlier, he was a researcher of Italy's National Research Council (1967-1976). He has been a visiting fellow of several institutes in Italy and abroad. He has over 80 international publications. He has chaired numerous committees such as CNR National Group for the Structure of Matter; National Interuniversity Centre for the Structure of Matter; Materials Physics Section, of the European Physical Society; International Cryogenic Engineering Committee-ICEC (1985-92); Member, Board of Directors, European Synchrotron Radiation facility, Grenoble; Physics Committee of the University National Council; Director of the Interuniversity Consortium of Physics of Matter (founder of National Institute for the Physics of Matter; and so forth). He is a member of many other national and international committees.



Professor Carlo RUBBIA
Nobel Laureate
CERN
GENEVA

http://en.wikipedia.org/wiki/Carlo_Rubbia

Carlo Rubbia studied in the Faculty of Physics at the Scuola Normale in Pisa, and was a researcher at Columbia University's Nevis Laboratories. He returned to Europe attracted by the newly founded CERN where he worked on experiments on the structure of weak interactions. He was appointed professor of physics at Harvard University in 1970, but continued to travel to Europe frequently to work at CERN. In 1976, he suggested adapting CERN's Super Proton Synchrotron (SPS) to collide protons and antiprotons in the same ring and the world's first antiproton factory was built. The collider started running in 1981 and, in January 1983, came the discovery of the W and Z particles which led in 1984 to the Nobel Prize in Physics with Simon van der Meer. This was one of the shortest intervals ever between discovery and award. Rubbia continued working both on UA1 and as a professor of physics at Harvard until 1989 when he accepted the position of Director-General of CERN, a post he held until 1993. Rubbia has also invented a unique concept for a new type of a nuclear energy reactor. He was president of the Italian Institute for New Technologies, Energy and Environment until recent-

BIOGRAPHIES

ly. He is currently professor at the University of Pavia, Italy, and works, among other things, on solar thermal energy plants.



Professor Ali SAYIGH

Chairman of World Renewable Energy Congress
Director General of World Renewable Energy Network

Editor-in-chief of Renewable Energy Journal Brighton U.K.

ec.europa.eu/research/energy/pdf/18_sayigh_en.pdf

Ali Sayigh is professor at the University of Hertfordshire, U.K., Chairman and founder of the World Renewable Energy Congress and Network since 1990, Fellow of several institutions, and organizer of many national and international conferences in Renewable Energy. He has published and edited more than 20 books and 300 articles in various journals, and serves as Editor-in-chief of the Renewable Energy Journal since 1990. He is well recognized in the world for his involvement in renewable energies.



Hon. Mr. Roger H. SCHJERVA

Deputy Minister
Ministry of Finance
Norway

<http://www.regjeringen.no/en/dep/fin/The-Ministry/Other-Political-Staff/Roger-Schjerva.html?id=272481>

After his basic and advanced studies at the University of Oslo, Roger Schjerva worked in several areas including organisational work, construction, the hotel business, and nursing and social work. Mr Schjerva has worked for the Socialist Left Party's Parliament Group as Financial Adviser and Leader of Secretariat. He has also held various political positions, including Political Secretary, County Councillor, and Member of the Board of Oslo Socialist Left Party. At present he is the Deputy Minister in the Ministry of Finance of Norway.



Professor Giusto SCIARABBA

Managing Director
UNIDO-ICS
Trieste

Giusto Sciarabba has been the Managing Director of UNIDO's International Centre of Science and High Technology in Trieste since September 2005. He graduated in Medicine and Surgery

from the University of Palermo in 1971, and specialized in Public Health (1981), Paediatrics (1977) and Cardiology (1974) at the University of Pavia. He has held numerous appointments, which include: Advisor on Science, Technology and Culture, Italian Embassy, Beijing, China and Japan and India; Scientific Consultant, Italian Ministry of Foreign Affairs, Rome, Italy; Advisor on Health Management, Ministry of Health, Bolivia, Swaziland and Mozambique. He was also responsible for the Maternal and Child Health Care project - sponsored by the Italian Ministry of Foreign Affairs - for Afghan refugees in the North Western Frontier of Pakistan. He has authored various scientific publications on health management in developing countries.



Hon. Min. Patrizia SENTINELLI

Deputy Minister
Ministry of Foreign Affairs
ITALY

http://www.governo.it/Governo/Biografie/sottosegretari/sentinelli_patrizia_it.html

Italy's Deputy Minister for Foreign Affairs, Hon. Sentinelli graduated in Economics and Commerce from the "La Sapienza" University of Rome. She taught business economics at high schools and was General Secretary of the CGIL Syndicate's School of Rome. Former member of the Proletarian Unity Party, she moved to the

Italian Communist Party in 1984. In 1992 she joined the Communist Refoundation Party, and was elected Secretary of the Federation of Rome. In 1997 Hon. Sentinelli was elected to the Council of Rome, where she was group leader of the Communist Refoundation Party and president of the Commission of Female Members. She implemented policies for the empowerment of women, furthering co-operation with women's associations in Africa, Asia and Latin America. She has participated in several international social forums, thus strengthening international relationships in the fields of co-operation, peace processes and solidarity among nations.



Professor Sverker SÖRLIN

Professor of Environmental History
Division of History of Science and Technology

School of Architecture and the Built Environment
Royal Institute of Technology SWEDEN

http://portal.unesco.org/education/en/ev.php-URL_ID=26989&URL_DO=DO_TOPIC&URL_SECTION=201.html

Member of UNESCO's Regional Scientific Committee for Europe and North America, Sverker Sörlin is Director of the Swedish Institute for Studies in Education and Research and Professor in the Division for History of Science

BIOGRAPHIES

and Technology of the Royal Institute of Technology, Stockholm, Sweden. He has published on culture in knowledge society; international trends in science; globalization and knowledge; denationalizing science: internationalization of science and learning; politics and the new intellectual geography; university politics and academies; transnational scientific interest; production of meaning in landscape history and problems of heritage-decision-making; cultural policy in information society; politics of excellence and Nobel prize; cultivating places of knowledge; international trends in science; development and socialisation: development strategies in Mozambique; Europe and mobility of knowledge; national competitiveness and regional development. He is a member of the editorial board 'Minerva: A Review of Science, Learning and Policy'.



**Professor Katepalli
R. SREENIVASAN**
Director
ICTP
TRIESTE

<http://www.ictp.trieste.it/~krs/>

K.R. Sreenivasan taught at Yale for twenty-two years as the Harold W. Cheel Professor of Mechanical Engineering, holding concurrent appointments in the Departments of Physics, Applied Physics, and Mathematics. He moved

to the University of Maryland as Distinguished University Professor, Glenn L. Martin Professor of Engineering and Professor of Physics, and served as the Director of the Institute of Physical Science and Technology for a year and a half. He then became Director of the International Centre for Theoretical Physics in Trieste, Italy, where he holds the Abdus Salam Research Professorship. His area of research is fluid physics. He is a member of the US National Academy of Engineering, the American Academy of Arts and Sciences, the Academy of Sciences for the Developing World, the Indian Academy of Sciences, the African Academy of Sciences and the US National Academy of Sciences. He is a Guggenheim Fellow, winner of the Otto Laporte Memorial Award of American Physical Society, TWAS Medal Lecture in Engineering Science, the Distinguished Alumnus Award of IISc, the International Prize and Modesto Panetti and Carlo Ferrari Gold Medal of the Torino Academy of Sciences, UNESCO Medal for Promoting International Scientific Co-FBDOperation and World Peace from the World Heritage Centre, and President Dr. Zakir Husain Memorial Award from the Indian Society of Applied and Industrial Mathematics.



Dr. Panitchpakdi SUPACHAI
Secretary-General
United Nations Conference
on Trade and Development
(UNCTAD)

Supachai Panitchpakdi has been Secretary-General of the United Nations Conference on Trade and Development (UNCTAD) since 2005. Dr. Supachai received his Ph.D. in Economic Planning and Development from the Netherlands School of Economics (now known as Erasmus University) in Rotterdam. He was a Visiting Fellow at Cambridge University. He has published a number of books on economics. During his term as Deputy Minister of Finance he laid the foundation for the establishment of the country's Export-Import Bank and improved the utilization of sizeable State enterprises' funds. As Senator and subsequently Deputy Prime Minister, Supachai has played pivotal roles as initiator and active supporter of numerous trade and investment facilitating forums, groupings and development projects. He has been a major driving force behind the creation of the Greater Mekong Subregion and the economic grouping that links countries in South and South-East Asia. In November 1997, Dr. Supachai was appointed Deputy Prime Minister in charge of economic policies, and Minister of Commerce. In 2000, he chaired the 10th UNCTAD Conference in Bangkok which strongly contributed towards the rebuilding of confidence in the multilateral process after the collapse of the WTO's Seattle

Ministerial Conference in the preceding year. In September 1999, he was elected Director General of the World Trade Organization, taking office on 1 September 2002.



Dr. Giorgio TAMBURLINI, MD
Research Director
and Paediatrician
Institute of Child Health IRCCS
"Burlo Garofolo" TRIESTE

Giorgio Tamburlini is a medical doctor with post-graduate training in paediatrics, epidemiology and public health and a PhD in Child Health, Developmental Paediatrics and Perinatology. His current position is Research Director at the Institute of Child Health IRCCS "Burlo Garofolo" in Trieste. Over the last 20 years, he has been serving as a part- and full-time consultant for WHO, UNICEF and the World Bank for health policies and programmes in over 30 developing and transition countries. He has focused on the health effects of environmental degradation on children, on integrated social and health policies to achieve better health particularly in low-income countries, and on quality of care. He is member of the Standing Committee of the International Paediatric Association. He is author and coauthor of over 300 papers and monographs.

BIOGRAPHIES



Dr. Hamadoun TOURÉ
Secretary-General
International
Telecommunication Union

<http://www.itu.int/officials/Toure.html>

Dr. Hamadoun Touré holds a Doctor of Philosophy degree from the University of Electronics, Telecommunications and Informatics of Moscow (MTUCI, Russia). He has been Secretary-General of the International Telecommunication Union since 2007, after serving as Director of its Bureau for Telecommunications Development for almost ten years. Prior to that, he was Africa's Regional General Manager for ICO Global Communications. He joined the International Telecommunications Satellite Organization where he was Telecommunications Officer of INTELSAT Assistance and Development Programme. In this capacity he participated in several IADP projects. From 1990 to 1994, he was INTELSAT's Director for the Africa Region and later served as the Group Director for Africa and the Middle East. During this time, he took an active part in the continental initiative launched by the Regional African Satellite Communications Organization and pioneered studies for regional interconnectivity. He was Manager of the Sulymanbougou II earth station in Bamako, Mali and headed OPT's Satellite Communications Section, and was Engineer in charge of operation and maintenance of the

International Satellite earth station in Bamako. He interfaced with the International Switching Centre in Bamako in 1980 and with the PANAF-TEL microwave terminal from October 1979.



Professor Claudio TUNIZ
Assistant Director
ICTP
Trieste

<http://www.ictp.it/pages/organization/ictpadvisor.html>

Claudio Tuniz, Assistant Director of ICTP since June 2004, became involved early in his career in pioneering applications of cosmogenic radionuclides to understand the cosmic record in meteorites and lunar rocks. He promoted AMS methods in Italy and co-ordinated a program funded by the National Institute of Nuclear Physics. He then moved to Australia in 1991. As Director of the Physics Division at Lucas Heights (1996-1999), he co-ordinated a broad spectrum of inter-disciplinary research based on the use of ions, neutrons and synchrotron radiation. Tuniz was counsellor for science policy matters at the Australian Permanent Mission to the United Nations Organisations in Vienna between 1999 and 2004. Tuniz served as Chairman of the Executive Committee for the Australian Program on Synchrotron Radiation Research, Chairman of the Neutron Scattering Committee for the

Australian Replacement Reactor, Co-Chairman of the Australasian Archaeometry Conference, Co-Chairman of the International Conference on Accelerator Mass Spectrometry, member of the Asian Committee for Future Accelerators, member of the International Committee for Radionuclide Metrology and member of the Executive Committee of the Australian Institute of Nuclear Science and Engineering. He is Professor (adjunct) at the University of Wollongong, a fellow of the Australian Institute of Physics, member of the American Association for the Advancement of Science, the Italian Physical Society, the Institute of Physics (UK) and the Italian Association of Archaeometry. His research interests include accelerator mass spectrometry (AMS) and its applications in environmental science, biomedicine and other disciplines utilising long-lived radionuclides as chronometers and tracers. He has co-authored one book, several book chapters and over 90 scientific papers.



Professor Hans VAN GINKEL
Rector, United Nations
University
TOKYO

http://unu.edu/hq/rector_office/rector-cvL.html

Professor Dr. Hans van Ginkel has been the Rector of the United Nations University since September 1997. He was elected President of the International Association of Universities (IAU, Paris) in August 2000 and served until July 2004. He is Vice-chair of the Board of Trustees, of the Asian Institute of Technology (AIT, Bangkok), Member of the Academia Europaea; Honorary Fellow of the Institute for Aerospace Survey and Earth Sciences (ITC, Enschede); and the former Rector of Utrecht University in the Netherlands. He serves as a member and officer in several professional associations and organizations. He has been awarded honorary doctorates from several universities across the world. His fields of interest are urban and regional development, population, housing studies, science policy, internationalization and university management. He has published widely on these areas, and has contributed extensively to the work of various international educational organizations.

BIOGRAPHIES



Dr. Evgeny P. VELIKHOV

President of Russian Research Centre Kurchatov Institute
RUSSIAN FEDERATION

<http://www.kiae.ru/eng/str/direct/vep.htm>

Dr. Evgeny P. Velikhov has been President of the Russian Research Centre Kurchatov Institute since 1992 and simultaneously holds a professorship in the Faculty of Physics of Moscow State University (since 1968), the presidency of the Russian Offshore Development Company (since 1992), and is Chairman of the Board of the International Development of Thermonuclear Pilot Reactor Programme (Russia, USA, European Union and Japan) (since 1988). From 1977 to 1996 he was Vice-President of the Russian Academy of Sciences and from 1983 to 1990 Academician-Secretary of the Division of Informatics, Computer Science, and Automation of the Russian Academy of Sciences. He is a member of the Russian Federation President Defence Council, the Scientific and Technical Policy Council, Co-chairman of the Culture Council, and is Russia's representative in the IAEA International Council for Controlled Thermonuclear Fusion. He is Corresponding Member and Academician (plasma physics) of the Russian Academy of Sciences, Moscow, and Honorary Member of the Swedish Royal Academy of Engineering Sciences. His scientific interests are plasma physics, controlled

thermonuclear fusion, high power pulse magnetohydrodynamics, generators, gaseous and technological lasers. He has authored more than 150 publications.



Dr. Hebe VESSURI

Senior Researcher and Head of the Department of Science Studies
Venezuelan Institute of Scientific Research (IVIC) VENEZUELA

http://www.ivic.ve/estudio_de_la_ciencia/?mod=Curr_inhv.php

Hebe Vessuri has a D.Phil. in Social Anthropology from the University of Oxford, and currently directs the Department of Science Studies and coordinates the graduate program on Social Studies of Science of the Venezuelan Institute of Scientific Research (IVIC), Caracas. She has contributed to the emergence and consolidation of the field of social studies of science and technology in Latin America. Her research focus is on sociology and contemporary history of science in Latin America, science policy, sociology of technology, expertise and democracy, and social participation/exclusion. Dr. Vessuri is associated with the editorial boards of several international journals, including *Social Studies of Science*; *Science, Technology & Society*; *Industry & Higher Education*; *Interciencia*; and *Redes*. She is also a member of the Trustees'

executive of the internet science and development network, SciDev.Net. She currently chairs the Latin American Scientific Committee of UNESCO Forum on Higher Education, Research and Knowledge, and is on the scientific committees of the International Human Development Program (IHDP), the International Council for Risk Governance (ICRG), International Council for Science (ICSU)'s Committee on Scientific Planning and Review (CSPR). She is a member of the Governing Council of the United Nations University (UNU). She was a former vice-president of the International Union of Anthropological and Ethnological Sciences (IUAES), representing it at the International Social Science Council (ISSC).



Mr. Ludger VIEHOFF

Deputy Head of Division
Basic Policy Issues of
International and Multilateral
Cooperation

Federal Ministry of Education and Research
Germany

Ludger Viehoff has been Deputy Head of the Division of International and Multilateral Affairs of Germany's Federal Ministry of Education and Research since April 2006.

Since graduating in social sciences in 1971, he has held a series of governmental positions involving evaluation, restructuring, transfer and co-operation concerning science and technol-

ogy; among which he was Assistant Head of the Science and Education Division of the Office of the Federal Chancellor (1994-1997), Assistant Head of the Division of General Issues of Research Institutions of the Ministry of Education and Research, with focus on technology transfer, co-operation of science and industry, and Vice Chairperson of the OECD working group "Steering and Funding of Research Institutions" (1997-2001). He has held two international consultancies, and has published various articles.



Professor Hans N. WEILER

Professor Emeritus of
Education and Political
Science
Stanford University U.S.A.

<http://www.stanford.edu/~weiler/>

Hans N. WEILER is Professor Emeritus of Education and Political Science, Stanford University, U.S.A., where he had been Assistant, Associate and Full Professor of Education and Political Science spanning 1965-1993, Chairman of Stanford International Development Education Center (1968-1991), Associate Dean for Academic Affairs, School of Education (1984-86) and Director of the Center for European Studies (1991-93). He was a member of the Planning Commission of the Viadrina European University, Frankfurt an der

BIOGRAPHIES

Oder, Germany (1991-1993) and Rector and Professor of Comparative Politics there during 1993-1999. From 1974 to 1977 he was Director of UNESCO's International Institute for Educational Planning, Paris, and Deputy Director of the Arnold Bergstraesser Institute, Freiburg/Brsg., Germany, from 1963 to 1965. Professor Weiler has held Visiting Appointments in many universities and has received numerous awards and honours including the Commander's Cross of the Order of Merit of the Republic of Poland (1999), Honorary Citizenship of the City of Frankfurt an der Oder (2000), the Officer's Cross of the Order of Merit of the Federal Republic of Germany (2001), an Honorary Doctorate of Philosophy (Dr. phil. h.c.) from the Viadrina European University (2002) and the "Reformer of the Decade Award" from Germany's Centre for High School Development (2004). He is a prolific writer and author of an impressive number of publications.



Hon. Dr. Noah M. WEKESA
Minister of Science
and Technology
KENYA

[http://209.85.135.104/search?q=cache:hWKnZK6Upi8J:www.communication.go.ke/documents/Awards_of_Orders.doc+Hon.+\(Dr\)+Noah+Mahalang'ang'a+Wekesa&hl=it&ct=cInk&cd=2&gl=it&client=firefox-a](http://209.85.135.104/search?q=cache:hWKnZK6Upi8J:www.communication.go.ke/documents/Awards_of_Orders.doc+Hon.+(Dr)+Noah+Mahalang'ang'a+Wekesa&hl=it&ct=cInk&cd=2&gl=it&client=firefox-a)

Hon. Dr. Wekesa is the Minister for Science and Technology of Kenya, a position he has ably held since his appointment in December 2005. He is a trained and experienced Veterinary Doctor, who served in various parts of the country, rising to the position of Provincial Veterinary Officer. He also played a leading role in political guidance and transition through coalition building and coordination in the country which has promoted national cohesion. He also served as an Assistant Minister in the Ministry of Livestock and Fisheries Development in 2004. He was awarded the Elder of the Order of the Golden Heart of Kenya (EGH) for his valuable contribution towards national development.



Dr. Isao YUKAWA
President
Kyocera Solar Corporation
JAPAN

http://www.zoominfo.com/people/Yukawa_Isao_388386128.aspx

Mr. Yukawa graduated in business from Doshisha University, Kyoto, Japan, in 1964 and joined Kyocera's textile machinery company in the international marketing and sales division. In 1976, he moved to the Corporate fine ceramics group in Kyocera and was appointed subsequently as Managing Director and Board Mem-

ber. He is Board Member of the International Institute for Energy Conservation, UK.



Hon. Mr. Zhang XINSHENG
Vice-Minister of Education
PEOPLE'S REPUBLIC OF CHINA

<http://www.chinavitae.com/biography/2402>

Vice-Minister of Education of the People's Republic of China since 2001, Zhang Xinsheng is a native of Shuyang County, Jiangsu province. He graduated from Harvard University with a major in city planning. Zhang holds a master's degree, also from Harvard. He held leading posts in the tourism industry, serving as deputy director of the National Tourism Administration until 1989. He is also Vice-President of the Chinese Olympic Committee. He is currently the Chairman of the Executive Board of UNESCO.



<http://g8forum.ictp.it>