



AN OPEN WORLD

PROGRAMME: WEDNESDAY 4 DECEMBER

08:00 - 09:00 Registration & Coffee at the Ceremonial Hall

09:00 - 09:45 Opening Ceremony

Ralf Hemmingsen	Welcome
Irina Bokova, Director General of UNESCO	Opening remarks
Ole Wæver	Introducing the Programme
Crown Prince Frederik of Denmark	Attending

09:45 - 10:30 Keynote - Setting the stage

Richard Rhodes	Bohr and the Open World
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Coffee break

11:00 - 11:30 Yukiya Amano Niels Bohr and Atoms for Peace

11:30 - 12:30 Plenary 1: Military Technologies of Tomorrow

Daniel Deudney	Missile Defence and Space Race
Jürgen Altmann	Robots, Drones and Future Wars
Ronald J. Deibert	The Confluence of Cyber War, Cyber Crime and Cyber Terrorism
Dong-Pil Min	Chair

Lunch

14:00 - 15:30 Parallel Sessions - Chairs and Themes

Eric Hersman*	Politics and Economics with New Technologies
Dennis Meadows	New Global Threats and Possibilities
Mohamed Hassan	Scientists and Politics
Fernando de Souza Barros	Military Technologies and Tomorrow
Tomas Bohr*	The Internet: A Global Infrastructure of Openness?

Coffee break

16:00 - 17:30 Plenary 2: New Global Threats and Possibilities

Arild Underdal*	Coping with Climate Change: Strategies and Institutions
Abdallah S. Daar	From Neglect to Grand Opportunities in Global Health: The Open World Dividend
Jonathan Moreno	Pandemics, Bioterror and Dangerous Research
Wang Delu	Chair

18:30 Reception at the City Hall

Welcome by the City Hall	
Bo Lidegaard	Closing Remarks



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PROGRAMME: THURSDAY 5 DECEMBER

09:00 - 10:30 Award of the UNESCO Niel Bohr Gold Medal

Princess Marie of Denmark	
Irina Bokova, Director General of UNESCO	Presenting the medals
Christine Antorini, Danish Minister of Education	
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Jimmy Wales	
Rolf-Dieter Heuer	Medal Recipients
Alain Aspect	
.....	
Ranga Yogeswar	Interview of recipients

Coffee break

11:00 - 12:30 Plenary 3: The Internet - A Global Infrastructure of Openness?

Jimmy Wales	Wikipedia, Democracy and the Internet
Sir Nigel Shadbolt	Defending and Extending Openness on the Web
Susan P. Crawford	The Battle for Internet Openness
Caspar Bowden	Intelligence Agencies and the Power Politics of the Internet
Alan Rusbridger*	Chair

Lunch

14:00 - 15:30 Plenary 3 Continued: Plenary discussion and Q & A of recipients

Coffee break

16:00 - 17:30 Plenary 4: Politics and Economics with New Technology

Eric Von Hippel	Protecting Individuals Rights to Innovate: "The Innovation Wetlands"
Eleni Gabre Madhin*	Impact of Open Markets: Lessons from Ethiopia
Carne Ross	Diplomacy and Wikileaks
Zeynep Tufekci	Transnational information Flows - Revolutions and Repression in the Era of Social Media
Brian Nosek*	Open Science, Infrastructure and reproducibility of research

19:00 - 22:00 Dinner Banquet at the National Museum

Tor Nørretranders	Dinner Speech
Frederikke Bohr	Musical Guest



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PROGRAMME: FRIDAY 6 DECEMBER

09:00 - 10:30 Plenary 5: Scientists and Politics

John Naughton	Public Intellectuals and the Natural Sciences
Katherine Richardson	Planetary Boundaries - Scientists specifying the 'Safe Operating Space for Humanity'
Naomi Oreskes	IPCC: Science, Politics and Anti-Science
Spencer R. Weart	Nuclear and Climate Imagery: Science and Society
Fernando Quevedo	Chair

Coffee break

11:00 - 11:45 Closing Session

Parallel Session Chairs & Co-Chairs	Report from Parallel Sessions
Organizing Committee	Presentation of the Open Letter addressed to the United Nation
Morten Østergaard, Minister for Research, Innovation and Higher Education	Chair

11:45 - 12:30 Plenary and Press Q & A

Ole Wæver, Chairman of
the Organizing Committee
Richard Rhodes

Lunch

14:00 - 16:00 Roundtable Discussion

Lykk Friis	Moderator
Dennis Meadows	Paolo Cotta-Ramusino
Susan P. Crawford	Getachew Engida, Deputy Director-General
Rolf-Dieter Heuer	Sir Nigel Shadbolt
Carlos Aragão	Closing Comments



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SPEAKER BIO

Altmann, Jürgen: University of Dortmund. One of the founders of the International Committee for Robot Arms Control and director of the project "Unmanned Armed Systems - Trends, Dangers and Preventive Arms Control".

Amano, Yukiya: Director-General of the IAEA. As a diplomat and civil servant for the UN, he has worked on disarmament and non-proliferation. Amano has lectured in International Politics at several Japanese universities.

Antorini, Christine: The Danish Minister of Education.

Aragão, Carlos: Professor and Director-General of the National Center for Research in Energy and Materials (CNPEM), Brazil.

Aspect, Alain: French physicist noted for his experimental work on quantum entanglement. Recipient of the UNESCO Bohr Medal.

Bohr, Frederikke: Danish pop/soul singer, performer, and songwriter. Student at Berklee College of Music, Boston, and great-granddaughter of Niels Bohr.

Bohr, Tomas*: Professor of Physics and Head of the Section "Biophysics and Complex Systems" at Technical University of Denmark. Tomas Bohr is grandson of Niels Bohr.

Bokova, Irina: Director-General of UNESCO. She has been the Bulgarian foreign minister and former ambassador to France, Monaco and UNESCO. In her work she has been focusing on e.g. women and human rights. Bokova founded and was chairman of the European Policy Forum.

Bowden, Caspar: Microsoft's former Chief Privacy Advisor and is now working as an independent internet research. He is known as a firm critic of NSA's surveillance polices, and is one of the main authors of the EU-initiated study on cloud computing and internet privacy.

Cotta-Ramusino, Paolo: Secretary-General of the Nobel Peace Prize-winning Pugwash Conferences on Science and World Affairs and professor of Mathematical Physics at the University of Milan. He also is Senior Researcher at the Italian National Institute of Nuclear Physics.

Crawford, Susan P.: Susan P. Crawford is a professor at the Benjamin N. Cardozo School of Law. She has served as President Barack Obama's Special Assistant for Science, Technology, and Innovation Policy and is a columnist for Bloomberg View.

Daar, Abdallah S.: Professor of Public Health Sciences and of Surgery at the University of Toronto. He is Director of Ethics and Commercialization at the McLaughlin-Rotman Centre for Global Health, UHN and University of Toronto. He is also the Chief Science and Ethics Officer, and Chair of the Scientific Advisory Board, of Grand Challenges Canada.

Deibert, Ronald J.: Professor of Political Science, and Director of the Canada Centre for Global Security Studies and the Citizen Lab at the University of Toronto. He is a co-founder and a principal investigator of the OpenNet Initiative and Information Warfare Monitor projects.

Deibert was one of the founders and VP of global policy and outreach for Psiphon.

Delu, Wang: Founder and director of Great Wall Enterprise Institute, a consulting institute focusing on innovative research. He is Vice-President of the Scientific Research Society and advisor for the municipal government in Beijing. An expert in physics and nuclear weapons.

Deudney, Daniel: Johns Hopkins University. He is Associate Professor and specialized in International Relations, Political Theory and Geopolitics.

Engida, Getachew: Has worked for the International Fund for Agricultural Development (IFAD) as Assistant Comptroller. He joined UNESCO in his current position in 2004.

Friis, Lykke: Prorector of the University of Copenhagen. Former MP and Minister for Climate and Energy (2009-2011), Minister for Gender Equality (2010-2011). PhD in international politics from the University of Copenhagen.

Hassan, Mohamed: Co-Chair of IAP, the global network of science academies, and Chairman of the Council of the United Nations University. Mr. Hassan was founding Executive Director of TWAS, the academy of sciences for the developing world. He was formerly Dean of the School of Mathematical Sciences, University of Khartoum. Specialist in plasma physics and fusion energy.

Hemmingsen, Ralf: The 258th rector of University of Copenhagen (2005-). He is the former Dean of the Faculty of Health and Professor of psychiatry.

Hersman, Eric: Co-Founder of Ushahidi, a crowdsourcing open source application designed to map incidents of violence. He specializes in how technology impact society throughout Africa.

Heuer, Rolf-Dieter: President of CERN in Geneva. The laboratory is built on the ideas of openness and scientific cooperation without borders. Heuer is former Professor at University of Hamburg and Research Director at DESY. Recipient of the UNESCO Bohr Medal.

Hippel, Eric von: Economist and professor at the MIT Sloan School of Management, specializing in the nature and economics of distributed and open innovation.

Kadir, Mohd Zainal Abidin Ab: Chair of IEEE Power & Energy Society (PES) Malaysia, Working Group Member of IEEE PES Lightning Performance on Overhead Lines and the Director of Scientific Committee at the Centre for Electromagnetic and Lightning Protection Research

Madhi, Eleni Gabre*: Ethiopian economist and a former Chief Executive Officer of the Ethiopia Commodity Exchange. She has a PhD in Applied Economics from Stanford University, and Bachelors and Masters degrees in Economics from Cornell University and Michigan State University respectively.

Meadows, Dennis: Professor Emeritus from University of New Hampshire. Professor of Systems Management and



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SPEAKER BIO

co-author of the 1972 book "The Limits to Growth". He is former Director at MIT and Dartmouth and member of The Club of Rome, a think tank focusing on international policy issues.

Moreno, Jonathan: Professor of Medical Ethics and the History and Sociology of Science at University of Pennsylvania. He is a Senior Fellow at Center for American Progress and has served as an advisor for several US administrations and foundations on bioethics.

Naughton, John: Professor John Naughton is a Senior Research Fellow at CRSSH in Cambridge University. He is also Vice-President of Wolfson College, Cambridge, Emeritus Professor of the Public Understanding of Technology at the Open University and the Technology columnist of the London Observer.

Nosek, Brian: Co-Founder and director of The Center For Open Science (COS) which seek to increase openness and reproducibility of scientific research. He is an associate Professor at the University of Virginia

Nørretranders, Tor: Danish author of popular science. Honorary Professor at the Department of Management, Politics and Philosophy at Copenhagen Business School. Nørretranders' books and lectures have primarily been focused on science and its role in society and the integration of new findings in science.

Opeke, Funke*: Chief Executive Officer and Founder of Main Street Technologies: a company launched to build and operate the Main One submarine cable system linking countries in West and Central Africa with each other and connecting in Europe with other existing cable systems linking the Americas and Asia.

Oreskes, Naomi: Professor of History and Science Studies at the University of California, San Diego, Adjunct Professor of Geosciences at the Scripps Institution of Oceanography, and an internationally renowned historian of science. She has a long-standing interest in understanding the establishment of scientific consensus and the role and character of scientific dissent.

Quevedo, Fernando: Director of the International Centre for Theoretical Physics and Professor of Theoretical Physics at University of Cambridge. He specializes in theoretical particle physics.

Rhodes, Richard: Historian, author and journalist; an affiliate at Center for International Security and Cooperation at Stanford University. He is a well-known historian who has written several books on the creation of the atomic bomb, nuclear power and nuclear history in general, among them is the Pulitzer Prize-winning book "The Making of the Atomic Bomb".

Richardson, Katherine: Professor in Biological Oceanography at University of Copenhagen and Leader of Sustainability Science Centre: A centre focused on Climate control of marine ecological processes. She was chair of the Danish Commission on Climate Change Policy and co-author of the 2009 article in Nature, outlining the concept of Planetary Boundaries.

Ross, Carne: Founder and director of Independent Diplomat, a diplomatic advisory group. He served in the British foreign service in 1989-2004.

Rusbridger, Alan*: Editor of The Guardian since 1995. He is editor-in-chief of Guardian News & Media, a member of the GNM and GMG Boards and a member of the Scott Trust, which owns the Guardian and the Observer.

Shadbolt, Sir Nigel: Professor of Artificial Intelligence and co-founder of the Open Data Institute with Sir Tim Berners-Lee. The Institute seeks to promote an Open Data culture, creating knowledge which addresses local and global issues. His research focusses on Web Science and Semantic Technologies.

Souza Barros, Fernando de: He is professor emeritus at the Federal University of Rio de Janeiro and a member of the Brazilian Academy of Ciências.

Tufekci, Zeynep: Technosociologist with experience in the area of the Arab Spring, the Gezi Park protests, and social media. assistant professor at the University of North Carolina, Chapel Hill at the School of Information and Library Science (SILS).

Underdal, Arild: Political Scientist and Professor at the University of Oslo, specialized in international decision-making processes and environmental governance.

Wales, Jimmy: Founder and spokesman of Wikipedia, a free open content encyclopedia. In 2006 he was on Times Magazine's list of the world's most influential people. Recipient of the UNESCO Bohr Medal.

Weart, R. Spencer: He is a trained physicist and noted historian specialized in the history of modern science. He has both served as Director of the Center for History of Physics from 1974-2009 and the AIP Niels Bohr Library. He has published original works on both the images of nuclear fear and the scientific discovery of climate change.

Wæver, Ole: Chairman of the Organizing Committee behind An Open World and Professor of International Relations at the University of Copenhagen. He established the Centre for Advanced Security Theory and led the development of "securitization theory", known as the Copenhagen School in security studies.

Yogeshwar, Ranga: An Indian-Luxembourgian physicist and science journalist. He has been a part of several TV-programs on science and holds a degree in particle physics from Aachen University.

Østergaard, Morten: Danish Minister for Research, Innovation and Higher Education and MP. He holds a master's degree in political science from the University of Aarhus.

* To be confirmed