

PROGRAMME 19-20 JANUARY 2015



United Nations
Educational, Scientific and
Cultural Organization



International
Year of Light
2015



MONDAY 19 JANUARY 2015

REGISTRATION 08:30 - 10:00

WELCOME COFFEE 08:30 - 10:00

MORNING SESSION 10:00 - 12:00

INAUGURATION 10:00 - 10:45

Ban Ki Moon (Video-Message)

Secretary-General, United Nations

Irina Bokova

Director-General, UNESCO

Flavia Schlegel

Assistant Director-General for Natural Sciences, UNESCO

Jane Naana Opoku-Agyemang

Minister for Education, Ghana

Enrique Cabrero

Director-General of CONACYT, Mexico

Susannah Gordon

Permanent Delegate of New Zealand to UNESCO

Vladimir E. Fortov

President of the Russian Academy of Sciences

Ziad Aldrees

Ambassador and Permanent Delegate of the Kingdom of Saudi Arabia to UNESCO

Patricio Hales (TBC)

Ambassador and Permanent Delegate of Chile to UNESCO

Rolf-Dieter Heuer

Director-General, CERN

Ligia Noronha

Director of the Division of Technology, Industry and Economics, UNEP

Günther Oettinger (TBC)

Commissioner for Digital Economy and Society, European Commission

OVERVIEW 10:45 - 11:00

John Dudley

Chairman of the IYL2015 Steering Committee, Prof. Dudley (France, NZ) will give an overview of worldwide plans for 2015.

LIGHT AND LIFE 11:00 - 11:45

Ahmed Zewail

Nobel laureate Professor Zewail (USA) will describe scientific and humanitarian revolutions influencing life on Earth.

WORLD OF IBN AL HAYTHAM 11:45

Launch of the "1001 Inventions and the World of Ibn Al-Haytham" campaign in Hall Segur.

LUNCH BREAK 12:00 - 14:00

AFTERNOON SESSION 14:00 - 18:00

ENERGY AND CLIMATE CHANGE 14:00 - 14:40

Steven Chu

Nobel laureate Professor Chu (USA) will discuss how science, innovation and policy mitigate the risks of climate change.

MEET THE COMMUNITY 14:40 - 15:20

Eric Rondolat

CEO of Lighting Sector, Royal Philips (Netherlands)

Giorgio Anania

Vice-President, Photonics21 (Italy)

France Cordova

Director, National Science Foundation (USA)

Francis Allotey

African Physical Society & IUPAP Vice President (Ghana)

Zohra Ben Lakhdar

l'Oreal-UNESCO Prize Recipient for Africa 2005 (Tunisia)

Ana María Cetto

Member of WFC, Past Secretary-General of ICSU (Mexico)

Danielle Harper

International Association of Physics Students IAPS (UK)

Thierry Montmerle

International Astronomical Union IAU, Paris (France)

LIGHTING THE FUTURE 15:20 - 16:10

Ann Webb

President of CIE (UK)

Gustavo Avilés

Lightteam (Mexico)

Harry Verhaar

President of the GOGLA (Netherlands)

Sze-leung Cheung

IAU Outreach Coordinator (Hong Kong SAR, China)

Barbara Horton

President of IALD (USA)

COFFEE BREAK 16:10 - 16:40

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HUMANITY AND CULTURE 16:40 - 18:00

Ngati Ranana

Cultural Performance (New Zealand)

Gianfranco Cardinal Ravasi

President of the Pontifical Council for Culture (Vatican)

Alessandro Farini

Professor at the University of Florence (Italy)

Charles Falco

Professor at the University of Arizona (USA)

Joshua Bell

Grammy Award Winner (USA), Violin Recital - Einstein's Light

COCKTAIL 18:00 - 20:00

LIGHT IS HERE 18:30

Kari Kola's light art installation will recreate the Aurora Borealis at UNESCO

TUESDAY 20 JANUARY 2015

REGISTRATION 08:30 - 09:00

MORNING SESSION 09:00 - 12:30

EINSTEIN, TIME AND LIGHT 09:00 - 09:45

William Phillips

Nobel laureate Professor Phillips (USA) will give an experimental lecture illustrating some of today's most exciting optical science.

LIGHT FOR DEVELOPMENT 09:45 - 10:15

Andrew Forbes

CSIR National Laser Centre (South Africa)

Yanne Chembo

ERC Starting Grant Laureate (Cameroon)

Thanh-Nga Tran

Vietnam Vascular Anomalies Center (Vietnam, USA)

Sudhanshu Sarronwala

Earth Hour, World Wide Fund for Nature (WWF)

COFFEE BREAK 10:15 - 10:45

LIGHT AND THE QUANTUM 10:45 - 11:30

Serge Haroche

Nobel laureate Professor Haroche (France) will explain how light reveals the quantum nature of physical reality.

LIGHT AT THE LIMITS 11:30 - 12:10

G rard Mourou

 cole Polytechnique, University of Michigan, IZEST (France)

Norio Kaifu

President of the International Astronomical Union (Japan)

Caterina Biscari

ALBA Synchrotron and lightsources.org (Italy, Spain)

LUNCH BREAK 12:10 - 13:30

AFTERNOON SESSION 13:30 - 18:00

TECHNOLOGICAL INNOVATION 13:30 - 14:05

Zhores Alferov

Nobel laureate Professor Alferov (Russia) will discuss challenges in advanced technology and applications in areas such as solar energy.

SCIENCE FRONTIERS 14:05 - 15:35

Alain Aspect

UNESCO Niels Bohr Medal Laureate (France)

Brian Wilson

University Health Network Biophotonics (Canada)

Sune Svanberg

Past Chair of the Nobel Committee for Physics (Sweden)

LIGHT SOLUTIONS 16:05 - 16:35

Illac Diaz

Liter of Light and My Shelter Foundation (Philippines)

Martin Aufmuth

One Dollar Glasses (Germany)

Linda Wamune

Sunny Money and Solar Aid (Kenya)

SCIENCE POLICY 16:35 - 17:45

Jos  Mariano Gago

Former Minister of Science, Technology and Innovation, Portugal

Khalil Rouhana

Directorate General Communications Networks, Content and Technology, European Commission

Maciej Nalecz

Director of the Division of Science Policy and Capacity Building, UNESCO

CLOSING REMARKS 17:45 - 18:00