Mobile Learning Week 2019 Speakers

Policy Forum

Welcome and Introduction

Ms. Stefania Giannini, Assistant Director-General for Education, UNESCO

Stefania Giannini was appointed Assistant Director-General for Education in May 2018, becoming the top United Nations official in the field of education. In this position, she provides strategic vision and leadership for UNESCO's Education Sector in coordinating and monitoring the implementation of the Education 2030 Agenda, encapsulated in Sustainable Development Goal 4.

She has devoted her career to promoting education as a fundamental human right, through the importance of language, lifelong learning, culture, freedom of expression and identity, in an effort to ensure more inclusive and equal societies. With an academic background in the Humanities (PhD in Linguistics), Ms Giannini became Professor of Linguistics in 1992 and served as Rector of the University for Foreigners of Perugia (2004 – 2012), being one of the first female Rectors and the youngest at that time in Italy.

At the same time, she was member of the Selection Committee of the Erasmus Mundus programme in Brussels (2005 – 2009), the person responsible for international relations in the Committee of The Conference of Italian University Rectors (2006 – 2010) and a member of the National Commission for the Promotion of Italian Culture Abroad at the Ministry of Foreign Affairs (2006 – 2011). Later on, in her role as Senator of the Republic of Italy (2013 – 2018) and Minister of Education, Universities and Research (2014 – 2016), she developed and implemented a structural reform of the Italian education system, centred on social inclusion and targeting cultural awareness. Ms Giannini also chaired the Education and Competitiveness Council of the European Union during the Italian Presidency (July – December 2014), working to promote the importance of creativity, cultural heritage and innovation as tools for dialogue between diverse populations, with a view to preventing radicalization and extremism.

In addition to her current position as UNESCO's Assistant Director-General for Education, Ms Giannini is Advisor to the European Commissioner for Research and Innovation as well as a member of the Atlantis Group of the Varkey Foundation and of RISE (Research, Innovation and Science Policy Experts).

Mr. Kemal Huseinovic, Chief of the Infrastructure, Enabling Environment and E-Applications Department/BDT, ITU

Kemal Huseinović is the Chief of the Infrastructure, Enabling Environment and E-Applications Department at ITU's Telecommunication Development Bureau (BDT). His Department promotes the use of ICT-based networks, services and applications, while ensuring the use of appropriate technologies to build or extend information and communication infrastructure and adapt to the rapidly changing telecommunication/ICT environment. This includes the provision of guidelines and tools for the development of policy and regulatory frameworks, financing policies and strategies, development of telecommunications and IP-based networks, promotion of pervasive broadband deployment, digital broadcasting and spectrum management, and the use of reliable and cost-effective ICT applications while enhancing cyber-security. It also covers the promotion of access and use of telecommunications and ICTs for groups that have been marginalised in their access to current mainstream ICT services, including women, youth, indigenous people, persons with disabilities and people living in remote communities.

Before joining ITU in 2014, Mr Huseinović was Director General of the Communications Regulatory Agency of Bosnia and Herzegovina.

Mr Huseinović holds two Master Degrees in Telecommunications/Economy and Business Administration and a PhD on Competition Enlargement through the Establishment and Development of Regulatory Authorities in Communications Markets.

Ms. Sofia Fernandez de Mesa, Managing Director, ProFuturo Foundation

Managing Director at Profuturo Foundation, a joint initiative of "la Caixa" and Telefónica Foundation, since 2016. She holds a degree in Business Administration and Management from CUNEF (Complutense University from Madrid). Executive MBA by INSEAD (France). Sofía joined the Financial Control Department of Telefónica in 1999. In 2001, she was appointed global director of CSC, the shared services initiative of Telefónica "t-gestiona" and, in 2004, she became director of Corporate Strategy of Atento, the call center business unit, where she introduced CSR as part of the Strategic plan. She was responsible for CSR and Social Innovation in Telefónica until 2015. During this time, she focused on social entrepreneurship in ICTs and to the initiative M-Inclusion, a collaborative environment created to encourage the use of innovative and affordable mobile solutions, oriented to social integration.

Keynote speech: AI and New Horizons for Education: Lessons Learned from Finland

Mr. Teemu Roos, Associate Professor, Department of Computer Science, University of Helsinki, Finland

Teemu Roos is an Associate Professor in Computer Science at the University of Helsinki. Prof Roos's research interests include the theory and applications of artificial intelligence, machine learning, and data science. His Elements of AI online course has a pivotal role in Finland's unique, inclusive AI strategy. The course is a public-private initiative towards lifelong learning, and it has become a global phenomenon with over 130 000 participants to date.

Presentation

Education policy and the challenges of Artificial Intelligence: Does anyone know the way ahead?

Mr. Francesc Pedró, Chief, Section of Education Policy, UNESCO

Dr. Francesc Pedró joined UNESCO's Education Sector in Paris (France) in 2010, where he leads the work on policy advice, including national policy reviews and comparative research, the monitoring of the right to education and the policy work on technology in education. Prior to that, he worked at the OECD Centre for Educational Research and Innovation (CERI). In his capacity as Senior Policy Analyst, he was responsible for a number of projects including the Teaching and Learning International Survey (TALIS) and the New Millennium Learners Project. He was also in charge of the reviews of educational R&D in OECD countries and of a project on Systemic Innovation in Education

Ms. Paula Valverde, Head of Product & Innovation, ProFuturo Foundation

Product and Innovation Director at ProFuturo a joint initiative of "la Caixa" and Telefónica Foundation, since 2016. Master's Degree (MSc) in Telecommunications Engineering (Radio Communication) from Universidad Politecnica of Madrid and Executive MBA by EOI Business School. She is an experienced leader in the conceptualisation, development and launch of complex digital innovative products and expert in IoT, wireless communications and data analytics/big data. Paula creates differentiated products & services leveraging technological innovation, her strategic leadership, emerging technology knowledge and business acumen. She joined Telefonica in 2008 and has succeeded in driving new concepts through the full way to become a digital business (from idea to commercial product) in verticals as Telecommunications, Retail, Insurance telematics/connected car, IoT. She joined ProFuturo in April 2017.

Session 1 – What policies are needed to harness AI to accelerate progress towards SDG 4?

H.E. Mr Omar Sultan Al Olama, Minister of State for Artificial Intelligence

H.E. Omar Sultan Al Olama has been appointed as Minister of State for Artificial Intelligence following the Cabinet reshuffle in October 2017. His responsibilities include enhancing the government performance by investing in the latest technologies and tools of artificial intelligence and applying them in various sectors. H.E. Mr Omar Sultan Al Olama is currently the Managing Director of the World Government Summit. He is also a member of the Board of Trustees of Dubai Future Foundation and Deputy Managing Director of the Foundation. In November 2017, the UAE government announced selecting H.E. Mr Omar Sultan Al Olama as a member of the Future of Digital Economy and Society Council at the World Economic Forum.

During his work in the Future Department at the Ministry of Cabinet Affairs and the Future, H.E. Mr Omar Sultan Al Olama participated in developing the UAE Centennial 2071 strategy that aims to position the UAE as the best country in the world. He also participated in developing the UAE 4th Industrial Revolution Strategy that aims to promote the UAE's status as a global hub for the 4th Industrial Revolution and develop a national economy based on knowledge, innovation and future technologies. Prior to his appointment, His Excellency worked on developing the UAE's Artificial Intelligence Strategy, making it the first such strategy of its kind globally.

H.E. Mr Omar Sultan Al Olama worked in several sectors including the banking sector, telecommunications, private enterprises and government. H.E. also worked on developing and executing strategies, risk analysis, change management and scenario planning.

H.E. Mr Omar Sultan Al Olama holds a Diploma in Project Management and Excellence from the American University of Sharjah and a Bachelor of Business Administration from the American University of Dubai.

H.E. Ms Amina Mohammed, Cabinet Secretary, Ministry for Education, Kenya

Ambassador (Dr.) Amina Mohamed is an accomplished and committed international civil servant and diplomat. She is the current Cabinet Secretary (Minister) for Education, Science, Technology and Innovation in Kenya and the first woman Minister in this docket since independence. She is responsible for 17 million students at different levels across the education continuum, 23,000 Primary and 2,800 Secondary schools, 73 Universities and over 1000 Technical, Vocational Education Training Institutes managing 27% of the total Government Budget.

She previously served as the Cabinet Secretary (Minister) for Foreign Affairs and International Trade and was the first woman to hold this position in Kenya. During this period, she raised Kenya's international foreign profile leading to the highest increment of Foreign Direct Investment to the country by 400%. The country also received during her tenure the highest number of Heads of State and Government and dignitaries in history. She focused on trade and Pan-African diplomacy. Before her appointment as Foreign Minister, she held the post of United Nations Assistant Secretary General and Deputy Executive Director, United Nations Environment Programme (UNEP). During her tenure, she played an instrumental role in reforming and positioning the United Nations Environment Programme as a global environmental organization.

She was also the first female President of the United Nations Conference on Transnational Crime in 2011.
Prior to this, she worked as the Permanent Secretary in the Ministry of Justice, National Cohesion and Constitutional Affairs where she played a key role in writing and steering the process that led to the promulgation of the Constitution of Kenya, 2010.
In 2002 to 2006, she was the Ambassador and Permanent Representative of Kenya to the United Nations and other International Organizations in Geneva, Switzerland. Ambassador Amina Mohamed is the co-Chair of the Commonwealth High Level Platform for Girls' Education together with the Rt. Hon. Boris Johnson, UK Foreign Secretary whose aim is to work with Governments to put 130 million out of school girls back in school.
She is also a Member of several Committees including the Red Cross, Commonwealth of Learning, and the Strathmore Law School Advisory Board.
In 2017, she was appointed Member of the Advisory Committee comprising of international leaders to the President of the United Nations General Assembly. Ambassador Amina Mohamed is married to Khalid Ahmed, an Ivy League trained industrialist. Together, they have two biological and five adopted children.

H.E. Mr Sabri Saidam, Minister of Education & Higher Education, Palestine

H.E. Mr Sabri Saidam is the youngest serving minister of Education in Palestine. Born in 1971 and graduated from Britain with a doctorate in electrical engineering and a degree in Applied Physics and Electronics and a certification in Human Development respectively earned from Imperial College, Royal Holloway College and Oxford University.

Reformed the entire education sector in Palestine, introducing a new school curriculum, changed the 54-year high school system, merged technical education into regular schooling, led the ratification of the 1st education law and introduced the first national pre-school curricula. He served in his current post since August 2015.

Also served as the Minister of Telecom & IT (2005-2006) and an Advisor to the Palestinian President (2008-2013). H.E. Mr Sabri Saidam has led telecom market liberalization and introduced many pioneering initiatives to Palestine.

Mr. Claudio Cimelli, Director of Digital Education, Ministry of National Education and Youth, France

Mr. Cimelli is the Head of Mission, incubation of digital projects within the Digital Education Directorate of the French Ministry of National Education and Youth.
- Pilot of study and research programs coordinated by the Directorate of Digital Education (National incubator and academic incubators): 10 national working groups in partnership with 12 research laboratories (including: analysis and data mining (learning analytics, artificial intelligence, collaborative work, digital immersion);
- Pilot of the watch and foresight mechanism of the Directorate for Digital Education (Academic Incubator Scheme);
- Pilot of the organization of the DNE's creativity and inspiration mechanisms: hackathons of the Ministry, #hackeduc, in partnership with the operators of the Canopé Ministry, CNED and ONISEP;
- Pilot of the national dialogue on digital (from November 2014 to May 2015).
In 2006-2014, Digital Academic Delegate, advisor to the Rector of the Créteil Academy.
From 2001 to 2006, Inspector of the Academy - Regional Inspector-STI, Inspector at Apprenticeship (Créteil Academy).

Ms Rose Luckin, Professor, Learner Centered Design at UCL Knowledge Lab, United Kingdom

Rosemary Luckin is Professor of Learner Centred Design at UCL Knowledge Lab. Rose's research involves the design and evaluation of educational technology using theories from the learning sciences and techniques from Artificial Intelligence. She has a particular interest in how AI techniques can be used to enable more effective, continuous, formative assessment processes and tools. Rose is also Director of EDUCATE: a London hub for Educational Technology StartUps, researchers and educators to work together on the development of evidence-informed Educational Technology; Specialist Adviser to the UK House of Commons Education Select Committee for their inquiry into the Fourth Industrial Revolution, Co-founder of the Institute for Ethical AI in Education; President-elect of the International Society for AI in Education; a member of the UK Office for Students Horizon Scanning panel, adviser to the AI and Robotics panel of the Topol review into the future of the NHS workforce; a member of the European AI Alliance, holder of an International Franqui Chair at KU Leuven.

Rose has published numerous academic articles in journals and has authored 2 monographs and 2 edited collections. She is also lead author of Nesta's influential 'Decoding Learning' report published in 2012 and Pearson's Unleashing Intelligence, published in 2016. She is a member of the EPSRC peer review college and is also a regular reviewer for RCUK more generally. Rose has taught in the school, further education and university sectors. She is a Governor and Trustee at St Paul's public day school in London, where she chairs the education committee, and a Governor of the Self Managed Learning College in Brighton. She has previously served on the governing bodies of state primary and secondary schools. Prior to taking up her post at the Knowledge Lab in 2006, Rose was Pro-Vice Chancellor for Teaching and Learning at the University of Sussex.

Session 2 – What policies are needed to ensure frontier technologies and AI can support digital transformation, e – learning and digital skills development?

Moderator: Claire Scharwatt, Director of Policy and Advocacy, Digital Inclusion, GSMA

As Director of Policy and Advocacy at the GSMA, Claire Scharwatt leads on the development of policy and advocacy work and manages external relations and partnerships with key international organisations to support GSMA members accelerate digital inclusion and financial inclusion, with a particular focus on women.

A recognised expert in mobile financial services, Claire has been driving a number of strategic initiatives at the GSMA including the launch of GSMA Mobile Money Certification scheme - the first global certification scheme for mobile money services -, the development of a global advocacy campaign to reduce to cost of international remittances, as well as successful in-country engagements with mobile operators and governments across West Africa, North Africa and the Middle East to enable the growth of mobile money through bold regulatory reforms.

She comes with a wealth of experience in data analysis, having designed and led GSMA's global Adoption Survey of Mobile Financial Services which collects industry supply side data on an annual basis, contributing to make the GSMA a key knowledge hub for the industry.

Prior to joining the GSMA, Claire worked as a strategy consultant at Hystra Consulting and as a researcher at INSEAD's Social Innovation Centre. Claire graduated from Sciences Po and holds a master degree from top French engineering school Ecole Centrale Paris.

H.E Ms Wanda Buk, Undersecretary of State, Ministry of Digital Affairs, Poland

Undersecretary of State at the Ministry of Digital Affairs since July 2018. In 2016-2018 Director of the Digital Poland Projects Centre She was in charge of EU funded projects worth over 2 billion euros, which involved among others laying down IT and telecommunication infrastructure, developing e-government services, digitalisation of cultural heritage, improvement of digital skills on a national scale (especially coding abilities), nation-wide popularization of basic IT knowledge. She now supervises the work of the Department of International Policy, Department of Telecommunications and the Minister's Office with regard to activities of the Digital Poland Projects Centre. Graduate of the Łódź University and of the French Business Law at Poitiers University with a master in law. She obtained her title of attorney at law in 2017. She completed her postgraduate studies at the European Academy of Diplomacy of the Warsaw School of Economics. She also took part in the programme "Leadership Academy for Poland", organised by the Centre for Leadership in cooperation with Harvard University. In addition, she studied international military relations at the Academy of Military Arts, where she is now completing her PhD. At the beginning of her professional career she worked at law firms where she helped implementing infrastructure projects (also those financed from public funds) and advised entities active in the regulatory market. Former member of supervisory boards at NASK 4 innovation, NUW and Mana Solid Invest. She is fluent in English and French.

H.E. Ms Ursula Owusu-Ekuful, Minister of Communications, Ghana

H.E. Ms Ursula Owusu was born in Oda in the Eastern Region and attended Labone Senior High School in Accra, she Mfantisman Girls Secondary School to have her sixth form education. She furthered her education in University of Ghana and the Ghana School of Law where she obtained an LLB. She was called to the bar in 1990. She has attended courses including one at the Kofi Annan International Peacekeeping Training Centre.

H.E. Ms Ursula Owusu-Ekuful worked for ten years as a lawyer before leading a technology company. In 2012 she was elected to be the Member of Parliament for the Ablekuma West Constituency.

Before her current position as the Minister of Communication she served on different boards and in different capacities in her professional career. She served as a Managing Consultant, N. U. Consult Legal, Governance and Gender Consultants, the Director of Vodafone Ghana Company Limited, a member of Ghana Bar Association, an Executive Member of International Federation of Women Lawyers (FIDA) Ghana and a member of African Women Lawyers Association (AWLA), Ghana. H.E. Ms Ursula Owusu-Ekuful is a married to Sam Ekuful and they have a child. Ursula is lawyer by profession.

Ms. Tracey Burns, Senior Analyst, OECD

Tracey Burns is a Senior Analyst in the OECD's Centre for Educational Research and Innovation. She heads a portfolio of projects including Trends Shaping Education, 21st Century Children and Innovative Teaching for Effective Learning. Her most recent OECD publication is "Trends Shaping Education 2019". Previous to her time at the OECD she worked on social determinants of health and well-being. As a Post-Doctoral Fellow at The University of British Colombia, Dr. Burns led a research team investigating newborn infants' responses to language, and was an award-winning lecturer on infant and child development. Tracey holds a B.A. from McGill University, Canada, and an M.A. and Doctor of Philosophy in psychology from Northeastern University, USA.

Mr Ivan Ostrowicz, CEO, Domoscio, France

Ivan Ostrowicz is an international entrepreneur based in France with Polish and Russian roots, he has lived in Argentina, Spain, China and traveled to more than 35 countries. He is an engineer from the Universidad Politécnica de Cataluña (Spain) and École Nationale Supérieur d'Informatique et Mathématiques Appliquées de Grenoble (France) and he holds an MBA from Neoma BS (France/China). He is the CEO and co-founder of Domoscio, an international award-winning start-up specialized in combining cognitive sciences, Big Data and Artificial Intelligence applied to personalized learning. Thanks to his expertise on the Edtech market, he is teaching in Master EdTech curriculum at Paris-Descartes University. He is also a frequent speaker and mentor in different Edtech events, like TEDx, Enlighted or Seedstars. In 2018 he was awarded as "Entrepreneur of the year" by the Neoma Alumni.

With his experience and knowledge, he drives the vision, strategy, product and marketing of Domoscio to achieve its potential development.

Mr Mick Levy, Director of Innovation, Business & Decision Services, Orange Group

Mick Levy, a Polytech'Nantes graduate, is Director of Innovation at Business & Decision (Orange Group). He is a committed player and an informed observer of the impacts of artificial intelligence as he has been advising organizations on their data strategy for nearly 20 years. His sharp expertise and his unique vision have been developed through concrete projects conducted for organizations in all sectors of activity, in France and abroad. Author and speaker, passionate about AI and its impact on society and organizations, he delivers exciting and inspiring insights that shed light on complex issues. His contagious passion makes those who know him tell that it is not blood but data flowing through his veins!

Ms. Jonghwi Park, Programme Specialist, UNESCO Bangkok

Ms Jonghwi Park leads the regional programme on ICT in Education at UNESCO Asia Pacific Regional Bureau for Education, supporting 48 Member States of the region. Her team at UNESCO Bangkok focuses on policy-level supports for Member States, including ICT national policy reviews, ICT in education master plan development and regional comparative research on the current issues, with special emphasis on the role of ICT to facilitate the achievement of SDGs. She holds a M.A in Educational Technology from Hanyang University, Korea and a PhD in Learning Sciences from McGill University, Canada.

Session 3 – What policies are needed to ensure inclusiveness in the use of accessible ICTs and AI in education?

Moderator: Ms. Roxana Widmer-Iliescu, Senior Programme Officer, Digital Inclusion Division, ITU/BDT

Roxana Widmer-Iliescu has been working at the International Telecommunication Union (ITU) Development Sector (ITU-D) since 1998. As Senior Programme Officer in charge of Digital Inclusion, she promotes the empowerment through ICTs of persons with specific needs – including Indigenous peoples, women and girls, youth, persons with disabilities (PwD) and older persons. To achieve this, Ms. Widmer leads and coordinates the development of activities that enable these groups to further their social and economic development through access to and use of ICTs.

She also advises ITU Members on designing policies and executing strategies to ensure inclusive access to knowledge and use of ICT. To support digital inclusion global implementation, she directed the development of several ITU-D key resources, including: the "Web Accessibility Programme "Internet for @ll", the on-line trainings "ICT accessibility: the key to inclusive communication", video-tutorials on the development and remediation of accessible digital content. These are concrete tools that can be used by all stakeholders to ensure that everyone including PwD can use affordable and accessible ICTs, so they can access education, job opportunities and thus leverage their social and economic development.

The ultimate goal of Ms. Widmer's work is to contribute to building inclusive digital societies globally.

H.E Ms Maria-Manuela Catrina, Secretary of State, Ministry of Communications and Information Society, Romania

She has teaching experience in computer science at the German high school „Samuel von Brukenthal" in Sibiu and „Lucian Blaga" University of Sibiu.

In the early 2000s, Ms Catrina had the first opportunity to join the high levels of government as advisor for the Romanian Prime Minister, after which she continued as parliamentary advisor for Romania's Chamber of Deputies. Since 2013, she has been leading the Ovidiu Sincai European School, one of the Social Democratic Institute Ovidiu Sincai's key projects.

As Secretary of State since 2017, she contributed to the complex preparations for Romania's Presidency of the Council of the European Union.

Her mandate includes broader aspects as well as more specialized areas of the Digital Agenda - such as cybersecurity, AI and robotics, also promoting women in tech. In addition to handling legislative files stemming from EU's Digital Agenda within the Transport, Telecommunications and Energy Council, she also coordinates a number of high-level national groups tasked with ensuring the security and resilience of Romania's IT and telecommunications infrastructure.

Manuela Catrina began her political career in 1996 as a member of the Romanian Social Democratic Party (PSD). From 2010 to 2013 she led PSD's Communication and Informational Society Department. Since September 2015, she has been leading PSD's Social Democratic Women's Organization (Bucharest branch).

Mr. Javier Elguea, Director Education, Carlos Slim Foundation

Javier Elguea is currently Director of Education at the Carlos Slim Foundation, President of the Technological Institute and Corporate Director of Human Resources for Grupo CARSO. His research and professional interests include education, economic, social, and technological aspects of international development. He has two masters degrees, a PhD from Stanford University and Post Doctoral from Harvard University; his BA is from Anáhuac University. He also held a MacArthur Fellowship. He has been a Visiting Professor at: Stanford University, Harvard University, The Massachusetts Institute of Technology (MIT)and also in the Center for Science, Technology and Society at Santa Clara University, California. He is the author of four books on international development.

Mr. Axel Rivas, Director of the School of Education at the University of San Andrés, Argentina

Currently, he is a Lecturer, Researcher, and Dean of the School of Education of the University of San Andres. He is an adviser for Profuturo.
He holds a PhD in Social Sciences from the University of Buenos Aires in Argentina. He was the Director of the Education Program for the Center for the Implementation of Public Policies Promoting Equity and Growth (CIPPEC). He was adviser for IIEP-UNESCO, UNICEF, the World Bank, the Inter-American Development Bank, among others. Amongst other honors, he won the Konex award for the Education category for the 2006 – 2016 decade, in Argentina. He wrote eleven books and various articles about comparative perspectives and education policy. Some of his recent books include: "Revivir las aulas" ("Rekindling the Classrooms"), "Viajes al futuro de la educación", ("Journeys into the Future of Education"), "América Latina después de PISA. Lecciones aprendidas de la educación en siete países (2000-2015) ("Latin America after PISA. Lessons from Education in Seven Countries (2000- 2015)") and "Cambio e innovación educativa" ("Educational Innovation and Change").

Mr Miguel Ángel Valero, Director of Ceapat Imserso, Spain

Miguel A. Valero, PhD in Telecommunications Engineering, is the Director of Ceapat, Imserso, since 2014. Mr. Valero is an Associate Professor in Telematics Engineering and devotes its R&D activity to e-accessibility, telemedicine and telecare since 1995. He has worked in 30 national and European projects and published over 120 papers dealing with accessible ICTs, m-health, smart home and IA applications devoted to elderly people and persons with disabilities.

Ms. Placencia Porrero, Senior Expert of the Disability and Inclusion Unit, European Commission

Her unit is responsible for the coordination of European policies for persons with disabilities.
She works on European disability policies including the European Disability Strategy 2010-2020, and the EU implementation of the UNCRPD.

Ms. Alexa Joyce, Director, Education System Leaders , Microsoft

Alexa works across the education system to transform education. Alexa has advised governments in 60 countries across the world in digital transformation in education. She leads the global strategy at Microsoft for engaging and support education system leaders as they evolve their school systems. She was formerly EMEA Director of Policy, Teaching and Learning, focusing on supporting national device deployments across the region.

Prior to Microsoft, she was Senior Business Development Manager at European Schoolnet, the network of 30 Ministries of Education in Europe and think tank in use of technology to transform education. At Schoolnet, she engaged 60 million people across Europe through awareness raising campaigns on digital skills. She worked closely with governments, companies, and the European Commission on ICT in education, STEM education and sustainability education.

Previously she consulted for UNESCO Asia-Pacific Bureau for Education, UNESCO International Institute of Educational Planning, and the OECD Centre for Educational Research and Innovation, and Deloitte Touche Tohmatsu. Alexa has been an advisor and committee member for the Hewlett Packard STEM+ Catalyst, European Centre for Women and Technology, European e-Skills Association, All Digital and the EDUCATE ed-tech accelerator.

Session 4 – What policies are needed to empower and prepare teachers for AI – powered learning environments?

Moderator: Mr. Tao Zhan, Director, UNESCO IITE

On 11 February 2017, Mr. Tao Zhan was appointed to the post of Director of the UNESCO Institute for Information Technologies in Education (IITE) by the Director-General of UNESCO.

Mr. Zhan has extensive experiences in mathematical research, education administration and ICT in education. He holds a Doctorate Degree in Science (1987) from Shandong University in China, majoring in number theory at Department of Mathematics. After graduation he joined Shandong University and later became a research fellow supported by Alexander von Humboldt Foundation, at the Albert Ludwigs University in Freiburg, Germany (1991 - 1992). Upon returning to Shandong University he was promoted to Professor of mathematics and afterwards the Vice President of the university. In 2000, Mr. Zhan took office as President of Shandong University. In 2008, he joined Jilin University (Changchun,   China) where he held the position of President till 2011. Prior to joining UNESCO, he worked as Director-General of the Educational Management Information Center under the Ministry of Education in China (2011 – 2016). He was also Co-Chair of the Office of ICT in Education in the Ministry.

Before his new appointment, Mr Zhan participated actively in a number of UNESCO programmes. He served as member of the Governing Board of UNESCO Mahatma Gandhi Institute for Education of Peace and Sustainable Development (MGIEP) in India, member of the extended EFA (Education For All) Steering Committee which was responsible for drafting of the Incheon Declaration at the World Education Forum 2015 and Framework for Action "Education 2030", and continued to be a member of the new Steering Committee of Education 2030 Agenda till 2016.

Mr Adrian Lim, Director, Digital Participation and Foresight Division, Digital Readiness Cluster, IMDA Singapore

Adrian Lim is the Director of the Digital Literacy and Participation Division and Digital Readiness Cluster at the Infocomm Media Development Authority of Singapore (IMDA). He is also the Executive Director of the Singapore Media Literacy Council. Adrian was formerly Principal of a Future School in Singapore and has worked at the Higher Education Policy Division and the Curriculum Planning and Development Division at the Ministry of Education. He obtained his Masters in Education at the Harvard University Graduate School of Education and was an Honoree Winner in the Academic Leadership Category of the Junior Chamber International (JCI) Ten Outstanding Young Persons (TOYP) in the World Award in 2011.

Mr Wayne Holmes, Assistant Professor, openAIED, UK

Dr Wayne Holmes is an Assistant Professor in *Learning Sciences and Innovation*, at the *Institute of Educational Technology, The Open University* (UK). He holds a PhD in *Learning and Technology* from the University of Oxford, an MSc in *Education* and an MA in *Philosophy*. At The Open University, he leads on Artificial intelligence in Education (AIED): the application of AI to both enhance and further understand learning, and the ethical and social implications of AI applied in educational contexts. He is also a Visiting Associate Professor at the *Universidade de São Paulo* (Brazil), a Visiting Associate Professor at the *Universidade Federal de Alagoas* (Brazil), a Visiting Research Fellow at the *Advanced Innovation Center for Future Education*, Beijing Normal University (China), a research consultant for the *Center for Curriculum Redesign* (USA), and a member of the UK's *All Party Parliamentary Group for Artificial Intelligence (Education Taskforce)*. He is also the co-author of two reports and a book about AIED: *Intelligence Unleashed: An Argument for Artificial Intelligence in Education* (2016), *Technology-enhanced Personalised Learning: Untangling the Evidence* (2018), and *Artificial Intelligence in Education. Promise and Implications for Teaching and Learning* (2019). Previously he has been invited to speak about AIED to audiences in Brazil, China, Germany, Oman, Spain, and the US.

Mr Nathanael Gossaye, Co-Founder/CEO LangBot, Ethiopia

Nathanael Gossaye graduated with a degree in Computer Science from Addis Ababa University and spent over 4 years building software for clients around the world before starting Langbot which won Facebook's Messenger Bot challenge and grew to over 230k users within the first 8 months. Langbot is currently running a pilot with two schools after a recent B2B pivot where it's providing a platform for other schools, teachers and publishers to create their own facebook messenger chatbot that can act as personal tutors for their students.

Mr. Andrew Smith Lewis, CEO of CEREGO, USA

Andrew Smith Lewis is the Co-Founder Cerego - an AI-driven human intelligence platform that enables anyone to learn anything. He is one of the original co-inventors of the Cerego Learning Methodology and has several patents in his name. He founded Cerego to create an open platform to improve memory and quantify knowledge. He wrote his first book in Japanese "Learn Faster, Remember Longer," and he co-authored "Social Learning Revolution" in 2008. His passion for research stretches back to his high school days at Bronx Science, and inspired him to start three education and technology companies in Tokyo, where he lived for nearly 25 years. Andrew has many years of conference speaking experience. Most recently he has presented at top industry events such as SXSW, EDUCAUSE, ASU/GSV, Transforming EDU/ CES, Army Medical Symposium and Exposition, US Army TRADOC Mad Scientist, and EdTech Europe.

Mr Pierre-Jean Loiret, Director, Partnerships, University Agency of the Francophonie, France

Dr. Pierre-Jean Loiret is a lecturer in educational sciences. He is the Director of Partnership at the Agence universitaire de la Francophonie (AUF). The AUF is an association of universities and a development agency, specializing in higher education. It has 907 member institutions and operates in 101 countries with 350 employees.
Dr. Loiret is a specialist in distance learning, the use of technology in teaching and educational project management in developing countries.

Mr Anatha Kumar Duraiappah, Director, MGIEP, India

Anantha Duraiappah is the inaugural Director of the UNESCO MGIEP. A science-policy pacesetter, with over 33 years' experience, he now plays a key role in positioning UNESCO MGIEP as a leading research institute on education for peace and sustainable development. Dr. Duraiappah received his Ph.D. in economics specializing in mathematical and computational modeling from the University of Texas in Austin, USA. He is a Fellow of the World Academy of Arts and Sciences (WAAS), a Fellow of The World Academy of Sciences (TWAS) and a visiting Professor at the University Of Tokyo, Japan.

Concluding Remarks

Mr. Borhene Chakroun, Director of the Division for Policies and Lifelong Learning Systems, UNESCO

Borhene Chakroun is an engineer and has a PhD in Education Sciences from Bourgogne University in France. His academic work focuses on the certification and validation of prior learning. Borhene worked, during the 1990s, as trainer, chief trainer, VET project manager. He has also worked as short-term consultant for the EU, World Bank and other international organisations before coming to the European Training Foundation (ETF) in 2001. At the ETF, Borhene worked as Senior Human Capital Development specialist and Team leader of the EU funded regional project Education and training for Employment (MEDA-ETE). He has also coordinated the ETF's community of practice on National Qualifications Frameworks and Recognition of Qualifications. He is now the Director of the Division for Policies and Lifelong Learning Systems, UNESCO.