Education Sector

United Nations
Educational, Scientific and
Cultural Organization

Conference Speakers*
Day One: Thursday 16 May 2019

Opening Ceremony

Chair

Hon. Mr Chen Baosheng is Minister of Education for the People's Republic of China. He started his career in 1974 and was admitted to the Chinese Communist Party in 1984. He studied political sciences and economics from Beijing University graduating in 1982, and entered the Gansu Provincial Government in 1985 where he started as a Deputy Director in the Economic sector of Gansu Provincial Part Committee. In 2002, he bacme a Member of the Standing Committee of the CPC Gansu Provincial Committee, and became Vice President of the Communist Party School in 2008. In 2013 he was Party Secretary and Vice President of the National School of Administration, and in 2016 became Party Secretary for the Minister of Education.

Speakers

Chen Jining, Mayor of Beijing Municipal People's Government. Follow this link for his bio:
http://www.ebeijing.gov.cn/Government/Mayor_office/mayors_profile/t1482134.htm

Stefania Giannini was appointed UNESCO Assistant Director-General for Education in May 2018, becoming the top UN official in the field. In this position, she provides strategic vision and leadership for UNESCO in coordinating and monitoring the implementation of the Education 2030 Agenda, encapsulated in Sustainable Development Goal 4. With an academic background in the Humanities, Ms Giannini has served as Rector of the University for Foreigners of Perugia (2004 – 2012), being one of the first and youngest women to hold this position in Italy. 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 cultural awareness. She has also been closely involved in an advisory capacity with the European Commissioner for Research and Innovation.

Hon Ms Sunchunlan, Vice Premier of the People's Republic of China. Follow this link for her bio:
http://www.chinavitae.com/biography/Sun_Chunlan/bio

*Please note that the biographies available are those that have been provided to us.

Ministers' Forum

Introductory Remarks

Hon. Mr Jernej Pikalo is the current Minister of Education, Science and Sport in Slovenia. In 1998 he graduated from the Faculty of Social Sciences at the University of Ljubljana in International Relations, and in 2003 gained a doctorate in political science at the same faculty. His academic career at the Faculty of Social Sciences in Ljubljana was marked by research and collaboration on numerous national and international projects covering a variety of political science issues. During his doctoral studies he performed research as part of the Marie Curie programme at the Centre for the Study of Globalisation and Regionalisation at the University of Warwick in the UK. He became an assistant professor at the Faculty of Social Sciences in 2003, an associate professor in 2008, and in 2013 became a full professor of politology. From 2011 to 2013 he served as Vice Dean for undergraduate and master's studies. In 2013 and 2014 he was Minister of Education, Science and Sport.

Panelists

Hon. Mr Anatole Collinet Makosso has been Minister of Primary, Secondary Education and Literacy since 2015 after having worked in the Ministry of Youth and Civic Education from 2011 to 2015, also serving for both from 2015 to 2016. He was President of the African Union Conference of Youth Ministers from 2012 to 2014 and of the Specialised Technical Committee on Youth, Culture and Sport from 2014 to 2016. Hon Mr. Makosso was is a teacher and magistrate by training, and holds a doctorate in international criminal law (Paris 2 pantheon Assas), a degree from the ECSR in Paris and the ENAM in Brazzaville. A research professor at the Marien Ngouabi University in Brazzaville, he is president of the Brazzaville University Institute and l'harmattan Congo Publishing, author of several books and publications.

Hon. Mr John Chrysostom Muyingo is Minister for Higher Education in Uganda, from 2011 to 2015 and appointed again in June 2016. Hon. Mr Muyingo has also served as a member of the Uganda Cabinet in the capacity of State Minister for Primary Education from 2015-2016. Hon. Mr Muyingo is a seasoned educator, beginning his career as a secondary school chemistry and mathematics teacher. He ahs been a director of studies, a headmaster and is known for being asked to move to schools that are in challenging and difficult situations in order to identify and enact solutions. His success in addressing and resolving these situations is well known. Hon. Mr Muyingo entered politics in 2011 contesting the seat in Bamunanika County; he won his seat with 92 percent of the votes. He has been awarded a Bachelor of Science with a Diploma in education; a Master of Arts in Educational Management, and a Doctor of Philosophy, from Makerere University.

Hon. Mr Emery Okundji Ndjovu is currently the Minister of Posts, Telecommunications and new Technologies of Information and Communication, as well as the Minister of Primary, Secondary and Vocational Education a.i., of the Democratic Republic of the Congo.He has been a member of parliament from 2004 to 2011. He holds a degree from ITA/GEMENA (1985), a bachelor's in Law from the Pan-African University of the Democratic Republic of the Congo (2014), and a Master's in Law (2016).

 Hon. Mr Giriraj Mani Pokharel is the Minister for Education, Science & Technology of the Federal Democratic Republic of Nepal. He has served as Health Minister and Education Minister in the previous governments. He played a vital role in the declaration of health as a fundamental right, provision of health insurance and establishing primary health centers across the country. As the capacity of Education Minister in the previous government, Mr Pokharel had contributed to amend the education act and strengthen the public education system. He initiated the Nepal literacy campaign, public school transformation campaign, enhanced social equity and inclusion in line with the federal context and expanded the technical and vocational education and training opportunities across the country. Mr Pokharel has intensive knowledge of Nepali education system including issues and challenges. Currently, Mr. Pokharel has been focusing on the implementation of the right to education, re-engineering of the overall education system and policy reforms.

Hon. Ms Gulmira Kudayberdieva is the Minister of Education and Science in Kyrgyzstan since November 2016. She worked for the government office as an expert in the department of Education and Culture from 2010 to 2012, before working as Head of the Social Policy department for the Office of the President from 2012-2015. Before her current position, she was Deputy Prime Minister of Kyrgyzstan for one year. Before her days in government, Hon. Ms Kudayberdieva worked as a teacher and worked on the ADB project of 'development of the education system' in Kyrgyzstan. She holds a degree from the State University of Kyrgyzstan, Ishenala Arabaieva.

Hon. Mr Deng Deng Hoc Yai is Minister of General Education and Instruction in South Sudan. He is a further education teacher with more than 20 years' work experience in secondary and post-16 education and training. He designed, delivered, managed and quality assured numerous learning programmes for young and adult learners especially in his recent role as Senior ESOL Adviser. In addition, he has made a significant contribution to the development of policies, strategies and complex projects to support integration of refugees into the UK labour market and society since 2000. He has worked for the Association of Teachers and Lecturers (ATL) and been heavily involved in other NGOs.

Previously, he was Director General of Special Programmes for the Government of South Sudan, Undersecretary of the Ministry of General Education and Instruction, and Minister of Environment. He is Minister of General Education and Instruction since April 2019, which provides a new challenge and opportunity to make a difference in the lives of many children, youth and adult learners in South Sudan.
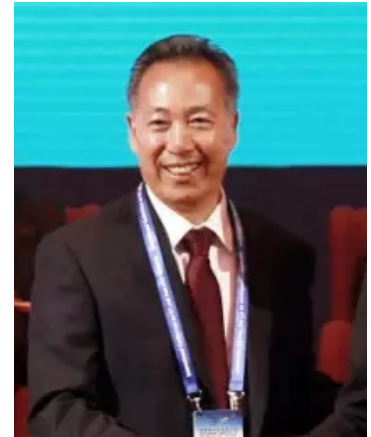
Keynote Session

Chair

Marielza Oliveira is the Director of UNESCO Beijing since 2015. Previously, she was the global Results Manager for UNDP, where she also held positions as country manager for Latin American countries (2001-2015). She was also senior consultant at Fundacao Dom Cabral (Brazil, 1995-1999), and Director of Executive Education at Ibmec Business School (2000–2001). She holds a Master of Science in Finance (1990) and a Ph.D. in Business Administration (1995) from the University of Illinois at Urbana-Champaign, USA.

Speakers

Duanrui,Wang is the Chairman of Weidong Cloud Education Group, President of Hong Kong Chamber of Commerce and Industry, Director of China Overseas Association, Honorary President of Shandong Charity Association, Executive Chairman of International Internet Education Alliance, Executive Chairman of International University Innovation Alliance. He has been awarded "Top ten Figure of China's economy" and received the "Peace Commemorative Medal for the 70th Anniversary of the founding of UNESCO".To narrow the educational gaps between countries and regions, Mr Wang has founded UNESCO/Weidong Fund-in-Trust which supports the implementation of related projects in leveraging ICT in education activities. Based on the global cooperation, the outcome of the Qingdao Declaration has been adopted as the standard document to guide the implementation of ICT application in membership countries.

John Shawe-Taylor is professor of Computer Science at University College London. He has helped to drive a fundamental rebirth in the field of machine learning, with applications in novel domains including computer vision, document classification, and applications in biology and medicine focussed on brain scan, immunity and proteome analysis. He has published over 250 papers and two books that have attracted over 62000 citations. He has also been instrumental in assembling a series of influential European Networks of Excellence. The scientific coordination of these projects has influenced a generation of researchers and promoted the widespread uptake of machine learning in both science and industry that we are currently witnessing. He was appointed UNESCO Chair of Artificial Intelligence in November 2018 and is the leading trustee of the UK Charity, Knowledge 4 All Foundation, promoting open education and helping to establish a network of AI researchers and practitioners in sub-Saharan Africa.

Zhang Bangxin is the President and Chief Executive Officer of TAL Education Group. XRS was founded by him in 2003 and became a public company and have its shares listed on the New York Stock Exchange in 2010. The group was renamed Tomorrow Advancing Life (TAL) in 2013, and started to implement the multi-brand development strategy. TAL upholds the mission "to promote education and progress with science and technology".

Liu Qingfeng is founder and CEO of iFLYTEK. He has stood by the vision of "let machines listen and speak, understand and think", and led iFLYTEK in achieving outstanding results in research and industrialization of artificial intelligence technologies. He and his company had transformed artificial intelligence technologies into applications for education and helped to make teaching students in accordance with their aptitudes possible.

Plenary Session 1: Guiding the development of Ai in education policies

Chair

Nada Al-Nashif is Assistant Director-General for the Social and Human Sciences (SHS) Sector. SHS supports Agenda 2030 by mobilising knowledge and values to foster just, inclusive and peaceful societies. The Assistant Director-General leads work with youth, researchers and policy makers, communities and cities to combat exclusion, discrimination and intolerance, harnessing intercultural dialogue to promote social cohesion. SHS programmes seek to strengthen implementation of the human-rights based approach, and develop normative standards, tools and action plans for the application of ethical standards in science and technology and the integrity of sport.

She is the holder of a BA in Philosophy, Politics and Economics (1987) from Balliol, Oxford University and a Master's in Public Policy (1991) from the Kennedy School of Government, Harvard University.

Panelists

Wayne Holmes (PhD, *University of Oxford*) is an Assistant Professor in Learning Sciences and Innovation, at The Open University in the UK, where 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 has co-authored three books on AIED: *Artificial Intelligence in Education. Promise and Implications for Teaching and Learning* (Holmes et al., 2019), *Technology-enhanced Personalised Learning. Untangling the Evidence* (Holmes et al., 2018), and *Intelligence Unleashed. An Argument for AI in Education* (Luckin & Holmes, 2016). Finally He is a member of the UK's All Party Parliamentary Group for Artificial Intelligence (Education Taskforce), and has been invited to speak about AIED to audiences in Brazil, China, Germany, Oman, Spain, and the US. Mr Holmes holds a PhD in Learning and Technology from the University of Oxford, an Msc in education, and an MA in Philosophy.

Fengchun Miao heads up the ICT in Education team within the section for Teacher Development and Education Policies at UNESCO. His main responsibilities are to plan and implement UNESCO's ICT in Education strategy; provide advice to Field Offices which provide support to Member States in areas related to ICT polices for education; design capacity development programmes; and follow up on other strategic initiatives such as Open Education Resources (OER) and mobile learning. From 2006 to 2010, he worked in UNESCO Bangkok as the Programme Specialist of ICT and Education and the Chief of ICT in Education Unit. In these capacities, he worked with partners from more than 30 countries and completed a wide variety of tasks such as facilitating ministerial debates, providing in-depth diagnostic studies and strategic advice, building the capacity of policy makers, strengthening the institutional capacity of teacher training colleges, and documenting the effectiveness of ICT in teaching and learning processes.

Gong Ke, is currently the President-elect of the World Federation of Engineering Organizations (WFEO), the Executive Director of the Chinese Institute of New Generation Artificial Intelligence Development Strategies, and the Chairman of the Academic Committee of Nankai University. Mr Gong obtained Doctor of Technical Science in Nov.1986 in Technical University Graz, Austria. He entered Tsinghua University in 1987 and served as vice president from 1999-2006. From 2006-2011 he was President of Tianjin University, then President of Nankai University from 2011 to 2018. Mr Gong has led several projects of Chinese national high-tech program and received a number of awards. He has also received Chinese national education award and IEEE education award. He has served as member the Scientific Advisory Board to UNSG from 2013-2017. He was the vice chairman of Chinese Higher Education Society and member of different Chinese national committees including the State Council of Academic Degree.

Olli-Pekka Heinonen is Director General at the Finnish National Agency for Education. Before his current position he worked as a State Secretary at the Ministry of Finance of Finland. He was also responsible as a State Secretary of the portfolios of Ministry of Education and Culture, Ministry of Internal Affairs, and Ministry of Foreign Trade and Development. Before that he acted as a State Secretary at the Prime Minister's Office and was responsible for organising and leading the Prime Minister's Office. Before joining the Prime Minister's Office in March 2012, Mr Heinonen worked for 10 years as a Director in the Finnish Broadcasting Company. Mr Heinonen has been Minister of Transport and Communications (1999-2002) and Minister of Education (1994-1999). Mr Heinonen has also been a Member of the Parliament of Finland (1995-2002). Mr Heinonen has had a number of positions of trust serving the society in a wide scale. Mr Heinonen holds a Master's degree in Laws.

Breakout Sessions

1.1: Planning AI in education policies and developing AI ready policy-makers

Chair

Francesc Pedró joined UNESCO's education sector in Paris (France) in 2010, where he leads the work on teacher development and education policies in the division of teachers and higher education. His team looks after teacher policies and development, technology in education and education policies, including national policy reviews and comparative research. Prior to this he was senior policy analyst at the OECD Centre for Educational Research and Innovation

Panelists

Alexa Joyce is the Director of Education Leadership at Microsoft. She works across the education system to transform education. Ms Joyce 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.

Scarlet George works at Oxford Insights and focuses on the gender implications of AI and the effects of AI on the future of education. She recently presented at UNESCO'S Mobile Learning Week as part of an expert panel on AI and the future of education. She was project lead on a report which compared the AI strategies of the UK, France, Italy, Canada and the European Commission. The report summarised the key points of each strategy while also making recommendations on what areas need to be addressed when developing a national strategy for AI. She is currently working with local authorities in the UK to develop an ethics framework focused on how to ethically use and share data. Ms George holds a Master's degree in Middle East and Islam and International Affairs.

Maria Florencia Ripani is the National Director of Educational Innovation, at the Ministry of Education, Culture, Science and Technology, in Argentina, where she leads the digital literacy policy for the whole country. She conducted the national curriculum reform for the integration of digital education, programming and robotics into compulsory education in Argentina, to prepare learners to thrive in a digital and AI powered world. She is an international expert in digital media, specialized at the BBC, in London. She used her experience to foster digital literacy in Argentina by integrating state of the art storytelling, emerging content production formats, and participative methodologies to raise students' engagement and quality education, with particular focus on vulnerable groups. She is a professor at Universidad Austral, in Argentina, where she directs the Digital Innovation Laboratory, at the School of Education. Ms Florencia Ripani has a degree in Social Communication from the *Universidad Nacional de Rosario*, in Argentina, a Master in Arts in Documentary by Practice from Royal Holloway University of London. She regularly publishes articles in specialized journals.

Su Wang is the Director of the Institute for International and Comparative Education, the STEM Education Research Center and the Future School Laboratory at the National Institute of Educational Sciences of China. Her field of study is an international comparative study of future schools, school buildings/learning spaces, and STEM-field education. Ms Wang leads over 10 researches and projects regarding the fields of science and technology education; She had participated in the research work of "The Guideline of 2001-2005 Chinese Youth Development of Science and Technology" under the Ministry of Science and Technology and " A Strategic Demonstration of the Outline of the Long-term Educational Reform and Development Plan of the Ministry of Education. Ms Wang published eight books and more than 40 papers. She received second place in the third national education science outstanding achievement awards.

1.2: AI transforming the delivery and management of education

Tao Zhan is the Director of UNESCO Institute for Information Technologies in Education (IITE) located in Moscow. He received his Ph.D from Shandong University in China in 1987, majoring in number theory and later became a Research Fellow of Humboldt Foundation at University of Freiburg in Germany, and Professor of Mathematics at Shandong University. Before joining UNESCO IITE in February 2017 he had served as the President of Shandong University and Jilin University, Director-General of Educational Management Information Center of Ministry of Education in China. Mr Zhan was also a member of the Drafting Group for Incheon Declaration 2015 and the UNESCO Framework for Action Education 2030. His vision for IITE is working together with Member States and international education community for the achievement of Sustainable Development Goal for Education (SDG 4) with the unique power of Information and Communication Technologies (ICT).

Panelists

Paula Valverde is the 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. Ms Valverde 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 into becoming a digital business (from idea to commercial product) in verticals such as Telecommunications, Retail, Insurance telematics/connected car, IoT. She joined ProFuturo in April 2017.

Alexandre Barbosa is head of the Regional Center for Studies on the Development of the Information Society under the auspices of UNESCO based in São Paulo, linked to the Brazilian Network Information Center. He leads research projects aimed at the production of data and ICT-related statistics on the access to and use of information and communication technologies (ICTs) as well as on their socioeconomic implications in different segments of society in Brazil. He coordinates capacity building programs in Latin America and Portuguese-speaking countries in Africa. Mr Barbosa has worked with ITU, the OECD, UNICEF and LSE and is a member of the Council Board of The Innovation Center for Brazilian Education (CIEB).Mr Barbosa holds a PhD degree in Business Administration from Getulio Vargas Foundation (Brazil), a Master Degree in Business Administration from Bradford University (UK), a MSc Degree in Computer Science from Federal University of Minas Gerais (Brazil) and a BSc Degree in Electrical Engineering from Catholic University (Brazil). He has also conducted postdoctoral research at HEC Montreal (Canada) in the area of electronic government.

Zheng Qinghua is the Vice President of Xi'an Jiaotong University. He received his BSc degree in computer software in 1990, MSc degree in computer architecture in 1993, and PhD degree in system engineering in 1997 from Xian Jiaotong University, China. He did his postdoctoral research at Harvard University in 2002 and was a visiting professor at HongKong University in 2005. Since 1993, he has been with the Department of Computer Science and Engineering at Xi'an Jiaotong University. His research interests are in the field of knowledge engineering in big data. He has published over 200 publications in prestigious journals and conferences and invented more than 60 granted patents.
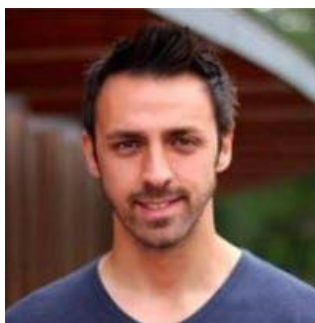
1.3: AI empowering teaching and teachers

Chair

Ren Youqun earned his doctorate in Educational Science. Ren is now director-general in charge of teachers' affairs with the Ministry of Education of PRC, and doctoral supervisor of Education Technology in East China Normal University. Ren once served as secretary-general of expert panel on Education Informatization of Ministry of Education, and presided over the revision of the National Information Technology Curriculum Standards for Senior High Schools.

Panelists

Guo Shaoqing, is the President of College of Education Technology at Northwest Normal University, and Director of the National Engineering Laboratory for Internet Education Data Learning Analytics engaged in technical support of teacher professional development, education information development strategy, artificial intelligence education application and other research work. He is a member of the expert group on education informatization of the Ministry of Education and secretary-general of the expert group on guiding the pilot work of artificial intelligence to boost the teachers development .

Mutlu Cukurova is an assistant professor of digital technologies in Education at University College London. His research broadly addresses the pressing social-educational challenge of preparing people for a future that will require a great deal more than the routine cognitive skills currently prized by many education systems. He is particularly interested in researching the potential of emerging Educational Technologies such as Artificial Intelligence and Learning Analytics to continuously support and evaluate students' skill development and conceptual understanding. His work is transdisciplinary and encompasses research in education, psychology, computer science, and Human-Computer Interaction. Mr Cukurova co-authored around 40 manuscripts published in peer-reviewed journals (including Computers & Education, BJET, Journal of Computer-assisted Learning) and conferences (including AI in Education, CHI Conference on Human Factors in Computing Systems, and Learning Analytics,

& Knowledge). He is involved as a Principal Investigator (PI) and Co-Investigator in various research projects at UCL funded by diverse sources.

Ki-Sang Song is a Professor of Computer Education of Korea National University of Education, and the director of the Global Education Cooperation Center at the Korea National University of Education (KNUE). Mr Song is an international expert of ICT in education, and was the principal investigator of the development of Global ICT in Education Indicators for Education Development (ICT4ED) project during 2008-2012 funded by KERIS. He served as an international consultant for enlarging the education opportunities and improving education system through information technologies with the cooperation of World Bank, IDB, KOICA, IACE, and KEFA. Mr Song's research concentrates on the area of ICT application in education and Learning Science. He has published more than 150 articles in conferences, journals and magazines, and wrote several books including "The Understanding of Mobile Learning," and translated the "Digital Teaching Platforms: Customizing Classroom Learning for Each Student," for introducing new way of smart education in Korea. Mr Song, directed international teacher training programs in several countries including 11 years in Indonesia, Uzbekistan, Paraguay, Lao People's Democratic Republic, and Myanmar.

Ms Héloïse Dufour holds a PhD in neuroscience and collaborates with several institutions on improving education and scientific literacy. As part of #Leplusimportant, a French think tank focused on skill development, she notably co-wrote a prospective report on how to best empower educators to use Artificial Intelligence to foster learning for pupils and students with special needs. At #Leplusimportant, she leads the science and society division. Ms Dufour also co-founded *Inversons la classe!,* a grass root movement to improve teachers' skills through peer to peer interactions. As the Cercle FSER director and EuroScitizen Vice Chair, she runs efforts to develop scientific literacy at the French and European level, notably by fostering researcher's engagement in public outreach.

Dennis Sinyolo is Senior Coordinator, Education, Employment and Research at Education International (E). He is in charge of EI's education policy and employment programmes, including the Sustainable Development Goals (SDGs) portfolio, Early Childhood Education (ECE), school leadership, the Quality Educators for All programme, EI's teacher migration and mobility campaign and related issues. In addition, he is a member of the Commonwealth Teachers' Group (CTG); the Global Unions Working Group on Migration; the Advisory Board of UNESCO's Global Education Monitoring Report (GEM Report); the SDG-Education 2030 Steering Committee; the Steering Committee of the International Task Force on Teachers for Education 2030; and the Global Partnership for Education's Strategy and Impact Committee. He has also served for the OECD and the European Commission on projects in education of migrant children and early childhood education. Mr Sinyolo has undertaken several studies on education and teachers. He holds a doctorate in Education Management from the University of South Africa. Before joining the EI Secretariat, Mr Sinyolo was Secretary General of Zimbabwe Teachers Association and a teacher in Zimbabwe.

Mohamed Jemni is a Professor of Computer Science and Educational Technologies at the University of Tunis, Tunisia. He is the Director of ICT Department at The Arab League Educational, Cultural and Scientific Organization (www.alecso.org) from October 2013. He has been the General Director of the Computing Center AlKhawarizmi, the Internet services provider for higher education in Tunisia, from 2008 to 2013. At ALECSO, he is currently leading several projects related to the promotion of effective use of ICT in education in the Arab world, namely, OER, MOOCs, cloud computing and the strategic project ALECSO-APPS. He published more than 300 papers in international journals, conferences and books. He produced many studies for international organizations such as UNESCO and ITU. He has been awarded the honorary distinction of Commander of the Order of the Tunisian Republic in May 2009 and the Order of Educational Merit in July 2007.

1.4: Unleashing the potential of AI for better learning outcomes and effective learning assessment

Co-Chairs

Fengchun Miao heads up the ICT in Education team within the section for Teacher Development and Education Policies at UNESCO. His main responsibilities are to plan and implement UNESCO's ICT in Education strategy; provide advice to Field Offices which provide support to Member States in areas related to ICT polices for education; design capacity development programmes; and follow up on other strategic initiatives such as Open Education Resources (OER) and mobile learning. From 2006 to 2010, he worked in UNESCO Bangkok as the Programme Specialist of ICT and Education and the Chief of ICT in Education Unit. In these capacities, he worked with partners from more than 30 countries and completed a wide variety of tasks such as facilitating ministerial debates, providing in-depth diagnostic studies and strategic advice, building the capacity of policy makers, strengthening the institutional capacity of teacher training colleges, and documenting the effectiveness of ICT in teaching and learning processes.

Xin Tao is Deputy Director of the National Assessment Center for Education Quality, MOE, China. He also serves as Executive Deputy Director, Professor and Doctoral Advisor of the Collaborative Innovation Center of Assessment toward Basic Education Quality, Beijing Normal University. Meanwhile, he is currently serving as the 10th National Inspector, a member of the Expert Committee for the National Textbook Committee and a panelist of the Guidance Committee for the National Education and Examination. In addition, he is also a member of The Academic Committee of the Chinese Society of Education and an academic committee member of the National Education Examinations Authority.

Panelists

Inge Molenaar is assistant professor at the Behavioural Science Institute at Radboud University in the Netherlands. She has over 20 years of experience in the field of technology enhanced learning taking multiple roles from entrepreneur to academic. Her research in the Adaptive Learning Lab focusses on technology empowered innovation to optimize students' learning. The application of data from online learning environments, apps and games in understanding how learning unfolds over time is central in her work. Artificial Intelligence offers a powerful way to make new steps towards measuring, understanding and designing innovative learning scenarios. There are multiple future scenarios of AI in education and only by building rich educational landscapes with a multitude of examples, we can envision the endless possibilities. Ms Molenaar envisions *Hybrid Human-Systems* that augment human intelligence with artificial intelligence to empower learners and teacher and to make education more efficient, effective and responsive. In this endeavor collaboration between government, schools, research and industry is essential to develop the next generation educational systems.
Ms Molenaar holds Master's degrees in Cognitive Psychology and International Business studies and a PhD in Educational Sciences (University of Amsterdam).

Ilkka Tuomi is Chief Scientist at Meaning Processing, an independent public research organization located in Helsinki, Finland. He is an internationally known expert in organizational learning, organizational cognition, technology-enabled learning, innovation research, and anticipatory systems theory. He has written five books, chapters in 25 books, over 60 scientific articles, and numerous scientific reports. His recent publications include *Vygotsky meets backpropagation: Artificial neural models and the development of higher forms of thought* (AIED 2018); *Dialogical ethics in AI: Towards an adequate theory of agency in the age of machine learning* (FTA 2018); *The Impact of Artificial Intelligence on Learning, Teaching and Education: Policies for the Future* (European Commission, 2018); and *Artificial Intelligence—A European Perspective* (European Commission, 2018). At present he leads the EC-Joint Research Centre "Artificial Intelligence for and with Teachers" -project that co-designs future AI practices and policies with teachers and digital education experts.

Michael Minhong Yu is the founder and Chairman of New Oriental Education and Technology Group; Founding partner of Aplus Fund. After receiving his bachelor's degree in English from Peking University, Mr Yu joined the university staff as an English teacher in the Department of Foreign Languages. In 1993, he founded Beijing New Oriental School. Rapid growth and expanded vision lead to the founding of New Oriental Education and Technology Group in 2001. On September 7th 2006, New Oriental Education and Technology Group was listed on the New York Stock Exchange, The New Oriental companies have been dedicated to education and development of Chinese young people for more than 20 years.

Mona Laroussi is a professor at the University of Carthage (Tunis) and the University of Lille 1 (France). She is currently Deputy Director of the Institute of the Francophonie for Education and Training (IFEF) based in Dakar, Senegal. This institute comes under the International Organization of the Francophonie (OIF). From September 2014 to September 2017, she worked for the French-speaking University Agency (AUF) as Executive Director of the French-speaking Institue for Knowledge Engineering and long-distance training (IFIC). Mona Laroussi's research activities focus on Technology Enhanced Learning (TEL) and more specifically on Personalized Learning Environment (PEL), how to combine adaptation and contextualisation in learning environments. She is the (co-)author of several books and articles for international reviews and national and international conferences.