

Mobile Learning Week 2019 Speakers

Symposium

Breakout sessions speakers

Track #1 | Ensuring inclusive and equitable use of Artificial Intelligence in education

1. How is AI used to support and educate refugees?



Jean Guo founded Konexio based on her research as a Fulbright fellow investigating migrant policy at the Paris School of Economics. A joint MPP/MBA student at the Harvard Kennedy School of Government and Harvard Business School, she graduated from Stanford with degrees in economics and human biology, and worked as a strategy consultant at Analysis Group. She is an occasional contributor to the Huffington Post Public Health column.

Ms. **Florie Zheng** is the Global Marketing Director at Ginkoo Fintech Ltd. Florie's multicultural and cross-industry experience gives her a unique outlook on global marketing and business development in the world of Fintech and Blockchain. She spent a decade in New York, Hong Kong, Paris and Beijing working in investment banking, private equity, art and tech consultancy industry. She is dedicated to empowering Art and Culture initiatives with innovative technologies. Florie is a graduate from Columbia University in NY and has been actively promoting ICT/Blockchain for social impact and innovative finance at the world tech forum.



Priya Lakhani O.B.E. is the Founder CEO of CENTURY Tech, the artificially intelligent learning platform for teachers and students. CENTURY, which launched in October 2015 and has been available globally from September 2016, uses AI technology to provide a personalised learning journey to students and offers real-time insights and analytics to educators.

Priya began her career as a barrister, specialising in libel, privacy and reporting restrictions for the press, including representing a newspaper in the House of Lords at the age of 25. In 2008, Priya successfully launched a FMCG business with products in nationwide supermarket chains and independent retailers. Passionate about CSR and incorporating a ONE=ONE model, the company's charitable arm provided millions of meals

and 35,000 vaccinations to the underprivileged. Priya has been a member of the Secretary of State for Business, Innovation and Skills' Entrepreneurs' Forum and an advisory board member to several educational organisations, including a founding entrepreneur of Gazelle Group Colleges. Priya authored a children's book, Zarin's Perfect World, which was published in 2014. She was awarded Business Entrepreneur of the Year by the Chancellor in 2009 and Officer of the Order of the British Empire in 2014. More recently, Priya has established herself as a thought leader in the area of education and has keynoted at the Association of Colleges, BETT global education conference and the Corsham Institute at St George's House. Priya now also presents on BBC World News as a commentator on world news, politics, business and technology on a bi-monthly basis.

Elissa Glorie is a Director of Travis Foundation, a non-profit organisation that bridges language barriers where it's needed most. Elissa has worked at the intersection of entrepreneurship, technology and social impact, helping purpose driven organisations grow their communities and accelerate positive social change. For Travis Foundation, she's leveraging storytelling, gamification and AI to enable communication for migrants, refugees and people in challenging circumstances.



2. How can the inclusive use of AI promote inclusion?



Richard Tibbles has a PhD in Cognitive Science from UC San Diego, and is the Product Lead and a co-founder of Learning Equality. Learning Equality create tools to deliver aligned OER to offline learners, track student progress, and support teachers. Richard's dissertation research focused on the impact of forgetting on Mathematics learning. Richard spent 3 years teaching Science in the UK and 2 years working in US schools, training teachers in Student-Centered Learning, and Educational Technology.

Mr. Guan Tianshuai works in Beijing Royal School as a high school physics teacher. Since graduating from the Department of Physics at North Carolina State University in 2014, Mr. Guan has been teaching high school physics at international schools in China for nearly five years. Since 2015, Mr. Guan has been committed to the integration of mobile teaching/learning and high school physics curriculum. In 2018, Mr. Guan opened a course in physics and computer modeling, integrating computer programming into the high school physics curriculum.





Dr. Guihua Wang obtained her PhD in Physical Chemistry from University of Science and Technology Beijing in 2007. Then she worked as a Postdoctoral Research Associate at UT Arlington and as a Senior Research Associate at Illinois Institute of Technology. Her postdoctoral programs were both focusing on nanopore technology. Dr. Wang joined Beijing Royal School in 2016. She currently leads the Science Department and teaches such chemistry courses as AP, IB, A Level and Honor.

Karthik Shivashankar is a MSc Electronics Engineering Student at the University of Surrey where he specialises in Computer Vision, Machine Learning and Robotics. He is currently working as an AI Engineer for a company at Surrey Research Park, Guildford. He finished his Bachelors in Electronics and Communication engineering. He was an exchange student at Plymouth University, where he worked on a Photovoltaic research project. His interest includes Reinforcement learning, intelligent system and their applications in education processes.



Stella Uzochukwu-Denis is the founder of Odyssey Educational Foundation. Holds degrees in Electrical Electronics Engineering, Physic Electronics and Educational Technology and a Masters from Mumbai, India. Worked with the foremost telecom company as a Switch Engineer. She is an ambassador of Girl Rising. A Master Educator, Mentor, and Regional Ambassador with Technovation. A mentor with The New York Academy of Science, FRIST LEGO League Robotics competition , named one of the 25 women in Robotics.

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.



3. How to harness AI to reduce the learning inequity?



Dr. Mohamed Ally is Professor and Program Director of the Doctoral Program and Researcher in the Technology Enhanced Knowledge Research Institute (TEKRI) at Athabasca University in Canada. He obtained his Ph.D. from the University of Alberta, Canada. His current areas of research include mobile learning, e-learning, distance education and use of emerging learning technologies in education and training. Dr. Ally is Past-President of the International Federation of Training and Development Organizations (IFTDO).

Dr. Prema Nedungadi is Director, AmritaCREATE (Amrita Center for Research in Analytics & Technologies for Education), an award-winning, educational and health technology for societal benefit initiative of Amrita Vishwa Vidyapeetham, with \$4.6m in research funding, 2 patents and over 54 publications. AmritaCREATE was selected to be one of five finalist teams for the \$7M Barbara Bush Foundation's Adult Literacy XPRIZE competition. She also received the Digital India award from the Ministry of Electronics and Information Technology, Government of India, in 2015.



Joy Okah-Edemoh is an associate professor of Computer and Information Science with the Information Science and Media Studies Department of Pan Atlantic University, Lagos, Nigeria. She has lectured in other countries like Ghana and the United Kingdom and have acquired a PhD and an M.Sc from the University of East London United Kingdom, MBA and PGDm with the University of Calabar, Nigeria; and B.Sc with Delta State University, Abraka Nigeria.

Atish Gonsalves is a social technologist, entrepreneur and the Global Innovation Director of the Humanitarian Leadership Academy based in London. Atish's 20 years of experience includes leadership roles at technology and international non-profit organisations including the United Nations. Atish is also the founder of Gamoteca, a collaborative digital platform that enables organisations create their own mixed-reality learning games.





Dr. **Bridget Bannerman** is a Multidisciplinary Research Scientist with Science Resources Africa at the Jean Piaget University in Guinea Bissau, the University of Sierra Leone and the University of Cambridge. As a member of the Cambridge Association of Women in Science and Engineering and the founder of the Sierra Leone Association of Women in Science and Engineering, Bridget promote science education especially amongst girls in Sub-Saharan Africa. Bridget is the pioneer of Science Education Workshops in Guinea Bissau and Sierra Leone 2012 to date (<http://scienceresourcesafrica.com/>) and collaborates with scientists at home and abroad to promote quality education amongst vulnerable populations.

4. Will AI promote equity and gender equality?

Tara Chklovski is the Founder and CEO of Iridescent - a global engineering and technology education nonprofit that supports low-income communities (especially girls and mothers) to solve problems in their community using engineering and technology. Over the past 13 years, Iridescent has engaged 120,000 participants across 100+ countries through its flagship programs Technovation and the AI Family Challenge. Forbes highlighted Tara in 2016 as "the pioneer empowering the incredible tech girls of the future"; she was prominently featured in the award-winning documentary Codegirl and honored by Discovery's Science Channel as the first inaugural CEO Science Super Star Hero.



Bosen Liu is the Founder of Ladder Education Group based in China. Her organization is dedicated to bringing low-cost yet highly-advanced technology to isolated areas, serving marginalized population in terms of literacy and citizenship education. She advocates for equality in educational access and quality and she promotes the mission to reduce digital gap. Prior to establishing Ladder Education Group, she worked at both the UNESCO Headquarter in Paris and UNESCO Field Office in Namibia on policy revisions, policy publications, and policy assessment, in the field of ICT in Education and Higher Education.

Mark West works in UNESCO's Education Sector, where he examines how technology can improve the quality, equity and accessibility of learning. Currently, he is outlining strategies to make digital solutions more inclusive for people with low literacy skills, helping governments enact policies and practices to ensure that women and girls develop strong digital skills, and supporting a review of digital skills development in Sudan and Myanmar. Prior to joining UNESCO, Mark researched education in Azerbaijan as a Fulbright Fellow and worked as a teacher and teacher trainer in the United States. He is a graduate of Stanford University.



Ray Gallon is president and cofounder of the Transformation Society, which promotes digital transformation and organizational learning, and currently teaches at the universities of Barcelona and Strasbourg. He is co-chair of the Transformation and Information 4.0 R&D group of the World Federation of Associations for Teacher Education (WFATE). An award winning radio producer and journalist, former programme manager of New York's public radio station, since 1992 Ray has focused on convergence of communication, culture, and technology, working with companies such as GE, IBM, 3M France, Alcatel, and numerous startups. He serves as president of the Information 4.0 Consortium.

Maria Nieves Lorenzo (Neus Lorenzo) is Subdirector General of Educational Transformation in Catalonia (Spain), and cofounder of the Transformation Society, which promotes digital organizational learning. She is also Chair of the Primary and Pre-primary 'Research and Development Community' of the Association for Teacher Education in Europe (ATEE), and teaches at the Universitat Autònoma de Barcelona (UAB). She is member of the Information 4.0 Consortium and has collaborated as training consultant, coordinator, researcher and expert evaluator for the Education Commission of the European Parliament, the Council of Europe, Pestalozzi Programmes, Erasmus +, Anna Lindh Foundation, Jaume Bofill Foundation, British Council.



1. Human – machine collective intelligence: what is the way forward?



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. 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.

Periša Ražnatović is the Director of Strategic Initiatives at Worldreader. He is responsible for the execution of Worldreader’s digital integration strategy, provision of programmatic technical assistance and management of strategic partnerships. Periša holds a Bachelor’s degree in Political Science from Singidunum University as well as Master’s degrees in Development Studies from the Erasmus University Rotterdam and in International Relations from the University of Barcelona.



Kwaku Kyei Ofori, a technology entrepreneur, philanthropist and currently the A.g Deputy Director General at the National Information Technology Agency, the ICT policy implementing arm of the Ministry of Communications of the Republic of Ghana. Kwaku was the founder of OforiBowTies and LYVEN augmented reality application LLC. Mr. Ofori holds an MA in Technology Management from Georgetown University and a BA in Networking Technology with a minor in Business Administration, from Central CT State University.

Harri Ketamo, Ph.D., is an entrepreneur with 20 years of experience in cognitive sciences, computational intelligence, complex adaptive systems and game development. Currently he is founder & chairman of Headai, a company developing cognitive artificial intelligence for lifelong learning. He's also actively participating academic research as a senior fellow at University of Turku. Previously Ketamo has been e.g. founder & CEO of gameMiner (game AI), xTask (adaptive learning) and SkillPixels (serious games).



President and co-founder of DXtera InstituteSM **Dale Allen**, PhD, is responsible for the vision, expertise and strategic direction necessary to realize DXtera's entrepreneurial vision of transforming higher education through scaling digital solutions through an international consortium. An internationally recognized leader in education policy and innovation, Allen brings over 25 years of experience in public and private higher education, systems office, and private industry. His successful record scaling educational innovations has led to more than \$1 billion in shared investments to support policies, practices, and transformational partnerships that have significantly increased student completion, removed integration barriers and scaled student success.

Francesc Santanach-Delisau is an e-learning expert and project manager at eLearn Center, the e-learning research and innovation center of the Universitat Oberta de Catalunya. He is responsible for the e-learning laboratory that provides infrastructure and the instruments needed for experimentation in the classroom. He runs projects in the field of learning technologies, interoperability, learning analytics and AI. He holds a Master degree in Computer Science and Software Engineering of the Polytechnic University of Catalonia.



2. How can AI boost education and learning management systems?



Seiji Isotani is Full Professor in Computer Science and Learning Technology at the University of Sao Paulo, Brazil. His research career has been devoted to imagine, design, develop/test, and deploy intelligent and collaborative educational systems. Prof. Isotani scientific and social mission converges into a single goal which is to enable the realization of AAAL: Anytime, Anywhere, Anybody Learning, by developing cutting-edge technology. He has published over a hundred scientific papers on the field of educational technology. Currently, he works with the Ministry of Education to support public policies that enable evidence-based learning and adequate use of learning technologies in schools.

Dr. **Mohammed Abdel Razek** is a Professor of Computer Science at Al Azhar University. He holds a Ph.D. in Computer Science - Artificial Intelligence - from the Montreal University, Canada in 2004, titled "Intelligent e-learning systems". Dr. Abdel Razek's work lies mainly at applying artificial intelligence techniques in e-learning, e-commerce, digital library, and others. He has more than 70 papers published in international journals, conferences, and workshops. Dr. Abdel Razek has been added to Who is Who in the world in 2009.



Rokhaya F. Diawara, initiator of the School meet the learners approach, is Education Programme Specialist UNESCO Abuja Office. She holds a master's degree in education science from the University Lyon2 with 16 years of experience. She was education researcher, technical advisor to the Minister, and consultant before UNESCO. She has initiated and implemented several education projects in the fields of curriculum, educational reforms, measurement learning achievement, ICT in education. She is co-editor of several national strategies, policy papers as well as innovative Programme design in Africa including empowering girls and women through ICT.

Ali Al Yafei is the Information and Communication Technologies (ICT) Advisor to the United Arab Emirates Minister of Education. In addition, he works as an advisor to the General Secretariat of the Executive Council. Mr. Al Yafei has over 21 years of experience in private and government sectors where he has managed and led several transformation initiatives. Currently Mr. Al Yafei is engaging with the Ministry of Education (MOE) in leading the SMART MOE and SMART Learning initiatives.



Robert Lue is a Professor of Molecular and Cellular Biology and the UNESCO Chair on Life Sciences and Social Innovation at Harvard University. As the Richard L. Menschel Faculty Director of the Derek Bok Center for Teaching and Learning, Lue is responsible for fostering innovative teaching in Harvard's Faculty of Arts and Sciences. He is also the founding faculty director of HarvardX, Harvard's university-wide online education initiative that includes the edX partnership with MIT. He now leads the new LabXchange initiative, which continues his exploration of innovative online education and new ways to expand its reach and impact globally.

3. How can AI improve learning? (Session in Spanish)

Mildred Vanessa López Cabrera is an educational innovator and researcher. Her emphasis is on technology for higher education. She is passionate about medical education. Currently, she is the Director of Educational Innovation and Research at Tecnológico de Monterrey. She studied Engineering in Mechatronics, and she has a Master in Quality Systems and Productivity. She is a student in the Phd in Educational Innovation, and a Fellow in Leadership, change management and development of educational projects, at FAIMER Institute (Foundation for Advancement of International Medical Education and Research) and the Pontificia Universidad Católica de Chile.





Dr. José Manuel Sáez López is an Assistant Professor at the National University of Distance Education (UNED), Spain. His scientific and academic work has been published in 37 peer reviewed journals (5 JCR and 8 Scopus). The scope of his research is the integration of educational technology, methodological strategies, gamification and programming in the classroom. He has been accredited with the role of Associate Professor by the National Agency for Quality Assessment and Accreditation of Spain. He was recognised as a Microsoft Expert Educator in 2014 and Microsoft Innovative Expert in 2015.

Izabel Rego de Andrade has a PhD in Applied Linguistics with a focus on education and technology (Unicamp/Brasil). She is a professor of Spanish as a foreign language and she dedicates her investigations to the use of digital technologies for favouring learning. She works as an expert in Education at the institution Serviço Nacional de Aprendizagem Industrial (SENAI São Paulo), where she focuses on distance education and teachers' training. She shares her views on digital education at edupyxis.com and on LinkedIn and Twitter as @izarego.



Veronica Iglesias has been a public servant of the National Body of Teachers since 2001. She is currently working in the CEIP Ponte dos Brozos in Arteixo, A Coruña, in Spain. She coordinates the "Convivencia Escolar" Team and she is responsible for the centre's activities in the ASPnet. She is a member of the "Arteixo Innovación" project, actively participating in working groups focused on educational innovation and the use of new technologies in classroom (robotics, augmented reality and artificial intelligence). This project was awarded the Proyectos Fundación Barrié (2013/2014) and the II Concurso Projecta Innovación (2015). Twitter: @IglesiasVernica.

Yesenia Venegas is the Director of Quirós Tanzi Foundation's Pedagogy Department.

She is a professional in Primary Education and Psychology.

She is currently pursuing a Master's Degree in Innovation and Educational Technology at the National University of Costa Rica.



4. What are the implications of AI for teachers?



Scarlet George has a Master's degree in Middle East and Islam and International Affairs. Scarlet's work focuses on the gender and diversity considerations of AI and the effect of AI on the future of education and work. She has worked with governments on how to procure digital services that best suit their needs and she is currently working on a project looking at the state of AI in the UK, France, Italy, Canada, and the European Commission.

Dr. Christelle Scharff is a Professor of Computer Science Department at Pace University in NYC. She has a Ph.D. in theorem proving, a formal subdomain of AI, from the Université Henri Poincaré in France. Her current research focuses on software engineering and ICTD. She is the founder of Mobile(4)Senegal whose mission is to build capacity in mobile app development and promote talents. The organization has trained more than 500 developers in Senegal and is listed as an African Tech Hub by the World Bank. Christelle is co-founder of the mJangale startup that focuses on introducing youth to coding in Senegal.





Antonio Alger. Grandson of Italian and Spanish emigrants. Relocated from El Salvador to a small but vibrant European city and successfully embraced a new culture, with new people, a new way of doing things and revelled in its difference - He celebrates diversity. Energy is his middle name, engineering his tool to continue learning and education a better future for others. He believes in the power of one, one man, one action, one day, one deed, one thought, one can change the world. Back in El Salvador, he is reshaping the future bringing quality of education to everyone.

Inès da Silva is the Communications Officer of the International Task Force on Teachers for Education 2030. Prior to joining the Teacher Task Force, Miss da Silva worked in the Secretariat of the SDG4-Education 2030 Steering Committee. She was also part of the Education 2030 Framework for Action preparatory team. Before UNESCO, Inès worked as an online content writer in the entertainment industry. She was also Editor-in-Chief of a cultural web portal and curated cultural dialogue focused exhibitions.

Website: <http://www.teachersforefa.unesco.org/v2/index.php/en/>

Twitter: @TeachersFor2030



Elliot Soloway is an Arthur F. Thurnau Professor, in the Department of Computer Science and Engineering at the University of Michigan, Ann Arbor, MI. In 2001, the UMich undergraduates selected him to receive the "Golden Apple Award" as the Outstanding Teacher of the Year at the University of Michigan. In 2004 and in 2011, students in the College of Engineering HKN Honor Society selected Dr. Soloway to receive the "Distinguished Teacher of the Year Award." Soloway's educational vision is that mobile, low-cost, networked devices are the only way to truly achieve universal 1:1 in schools – all across the globe.

1. What skills and values are needed for jobs and life in an AI - rich era?

Inge de Waard (PhD) leads part of a project combining machine learning, artificial intelligence (AI), learning analytics and data science to establish the learning gap between industry needs and worker/learner profiles of engineers working in sustainable energy . This project combines the expertise from InnoEnergy, The Open University, UK and FutureLearn. In the past 15 years Inge has set-up, coordinated and developed several online and mobile learning projects, always with a focus on participation of all stakeholders and durability. These projects involved partners and individuals from Northern (Canada, United States, Italy, Ireland, UK) and Southern regions (South-Africa, India, Peru, Morocco).



Paul Landers is Head of Partnerships at Ericsson’s Connect to Learn program. The Connect to Learn program aims to increase student access to education globally, with an emphasis on girls, and builds on Ericsson’s commitment to addressing Sustainable Development Goal (SDG) 4. With experience in both the public and private sector, Mr. Landers has built strong partnerships that deliver on the potential and ICT in education with a strong emphasis on mobile technology.

Richard Culatta is the CEO of ISTE and former chief innovation officer for the state of Rhode Island where he is credited with making Rhode Island the first state in the country to offer computer science in every school. Culatta also served as the Director of Technology for the U.S. Department of Education where he led a national effort to connect all schools, promote personalized learning and author the National Education Technology Plan. Prior to his role at ED, Culatta served as an education policy adviser in the US Senate. Culatta began his career as a high school Spanish teacher.





Jean Greyling is an Associate Professor in Computing Sciences at the Nelson Mandela University, Port Elizabeth, South Africa. He is mainly involved in teaching introductory programming modules as well as promoting computing careers to schools throughout the Eastern Cape province. Much of his research has involved issues related to ICT education. His PhD investigated a model to recognise learners' programming potential based on school results and a compilation of small applications. He also did some effective work making use of MXit (a South African messaging app) to assist mainly rural learners with the understanding of ICT terms.

2. How can AI skills be developed effectively in different contexts?

Albert Forn leads the mSchools Program at GSMA, a public-private partnership that empowers teachers to integrate mobile technologies into the classroom, opening up new ways of teaching and learning that improve learner engagement, achievement and employability. To date, over 130.000 students and 3.700 teachers are part of the mSchools community.



Tatiana Murovana is a programme specialist at UNESCO Institute for Information Technologies in Education, where she is responsible for the projects on promoting digital skills and media and information literacy for quality and inclusive education. Working with UNESCO since 2000, Tatiana has managed a number of project on information access, digital information preservation, information ethics, media education, information literacy, and multilingualism in cyberspace. Ms. Murovana has issued about 15 publications on those and other topics.

Jessica Rothenberg-Aalami, Ph.D., is the CEO and Founder of Cell-Ed, a mobile learning solution that aims to close the skills gaps for the lowest literate. A Silicon Valley native and entrepreneur, she has co-designed and delivered mobile technology solutions in more than 40 countries. An active collaborator and speaker, Rothenberg-Aalami is the co-author of *Technology at the Margins*. At Cell-Ed, she is joined by a passionate team of teachers, technologists and community advocates committed to realizing the potential of mobile first, learner-driven programs to end digital, education and opportunity divides.



Susana Muñoz Hernández is PhD in Computer Science, Master in Management of Information Technologies and graduate in International Affairs. She won the first prize in a competition for talented young people in 2003. She has been working as associate professor at the Computer Science School of the UPM since 1998. She set up the cooperation group TEDECO (Technology for the Development and the Cooperation, <http://tedeco.fi.upm.es>) in 2006 and she has led various projects oriented to improve education in developing countries. She was awarded with the UPM prize of cooperation for the development in international research in 2011.

Lucie Luneau is the AI lead instructor at Kids Code Jeunesse (KCJ), a Canadian founded not-for-profit organization teaching coding skills to teachers and children. Lucie is also an instrumental part of KCJ's France-Canada team, a team focused on bringing KCJ expertise to France in collaboration with French partners. Lucie holds a Master degree in Neuroscience from the University of Montreal. In 2017, she created a successful program to teach programming with Matlab to graduate students. She nurtures a keen interest in designing exciting and accessible resources to give teachers and kids the skills to thrive in a technology-driven society.



3. How can AI be harnessed to inform skills development and assessment?



Ali Alshammari is an Assistant Professor of Computer Education in the Department of Curriculum and Instruction, the Vice Dean of E-learning and Distance Education, and the Supervisor of the Curricula and Study Plans Administration at University of Tabuk. He earned his Ph.D. in Curriculum and Instruction at Purdue University. Both a computer programmer and serious game designer and developer, his research interests include instructional design theory for serious games, robotics, virtual and augmented reality, computer science pedagogy, instructional methodologies geared toward game-based learning, underrepresented minorities in education, and the implementation of innovative technologies in the field of education.

Parmod Kumar, State Programme Officer in Directorate of School Education, Panchkula, Haryana, He has worked to strengthen the education system and worked on grass root level with his innovative work in ICT and mobile learning by developing low cost hardware of Virtual reality, mobile television and projector which works without electricity . He has contributed and authored series of books, journals and modules etc. on education and impaneled as Educational Specialist on various media channels.



Ms Avinasha Sharma is Lecturer in English at GGSSS NIT 5 Faridabad. She is the Project Coordinator for the establishment of Language Lab in Govt Schools if Haryana, India. She has been actively participating in various ICT initiatives of tgd department and has been recognised by renowned organisations for her endeavours, to name a few, National Human Welfare Council, Sharad Foundation, Lakdhay Foundation. She represented India in UNITAR jeju/ Cifel workshop in Indonesia in 2018.

Professor **LI Ming** is a professor of economics and higher education, and Director of the International Centre for Higher Education Innovation under the auspices of UNESCO. He once served in an array of key position in Shenzhen Municipal Government, including Vice Mayor and the Director of Public Security Bureau. He was also the Chairman of University Council of Southern University of Science and Technology in Shenzhen, China.





Luis Miguel Olivas is a Telecommunications Engineer passionate about innovation, people and technology. After working in several companies, in 2012 he lands at Fundación Telefónica for his great passion and social concern. Currently, he leads digital employability and educational innovation programs in Telefonica Foundation. Operating in 12 countries where, deploying Big Data and AI tools, he seeks to improve the professional and personal opportunities of people so that they can create their life plan.

Dr. **Souma Alhaj Ali** is an Associate Professor in Industrial Engineering-Artificial Neural Network and Robotics; she is currently the Acting Dean of the School of Artificial Intelligence and Director for the Center for Excellence and Governance in Hamdan Bin Mohammed Smart University. She is an EFQM Lead Assessor and MeLQ Lead Auditor with more than fifteen years of experience in building, operating, and assessing quality management systems and designing AI applications. Dr. Souma has participated in writing a book and published over 30 peer-reviewed papers in reputed international scientific journals in the areas of AI, Robotics, and Intelligent Manufacturing Systems.



4. Working towards AI-ready education and lifelong learning systems



Richard Marett. As CEO and Co-Founder, Richard has led Whizz Education for the past 15 years and has a wealth of experience working with schools, governments, ministries of education, donor organisations and commercial partners across the globe to raise standards in education through innovative ICT and individualised learning. His vision for innovative solutions combined with a human approach to learning and commitment to social impact brings partners together to design and deliver effective models to integrate ICT in education that are rooted in reality and demonstrate valuable insights on how to achieve learning outcomes in line with national and international goals.

Neil Butcher is based in South Africa, from where he has provided policy and technical advice and support to a range of national and international clients regarding educational planning, uses of educational technology and distance education. Neil has travelled extensively through the developing world conducting research on educational policy, higher education, distance education, education management information systems, and educational technology for a range of organizations, governments, and donors. He works with OER Africa as the project's OER Strategist and is also currently consulting to the World Bank on a range of project activities across several African countries and in Asia.



Joined UNESCO in 2016, **Jingxin Bao** is an education officer in UNESCO International Institute for Capacity Building in Africa contributing to ICT integration in education, teacher policy, capacity-building and mainstreaming gender in education. She is currently working on projects to leverage AI for innovative teaching and learning, particularly for women and girls. With a legal background, she also works on ensuring the right to education for all, advocacy for human rights, peace education and policy formulation.

Charley Wright is a Connected Learning Specialist within UNHCR's Education Section, working at the nexus of Connected and Tertiary programming to expand access to higher education for refugees. He has previously worked on curricula and education policy with Aga Khan Development Network in Central Asia, and on post-secondary TVET with the Colleges of Excellence in Saudi Arabia. He holds a Master of International Education Policy from the Harvard Graduate School of Education.





Svetlana Malkarova, Ph.D., Vice Rector on Information Policy and International Cooperation of the State University of Management, the Deputy head of UNESCO Chair "Societal, Legal and Ethical Frameworking of Knowledge Societies".The graduate of Fulbright Program (research project in the field of Public Affairs, PR), author of a number of publications on the cross-cultural, comparative analysis of the values of modern youth.

Manuel Pereira Colocci is a Strategic Program Designer with the Collaboratory, an innovation hub within the Bureau of Educational and Cultural Affairs that pilots, designs, and spreads new approaches to public diplomacy. Manny develops and implements best practices for uses of technology in classrooms at secondary schools and universities, provides new educational resources to program participants and ECA partner organizations, and facilitates learning activities, courses, and high-quality education practices through creative design thinking methodologies.



Sam Gordon is a Program Designer with the U.S. Department of State's TechCamp Program, practicing community-organizing disguised as diplomacy. He creates and facilitates workshops connecting civil society activists, independent journalists, entrepreneurs, and educators with technologists to tackle complex global social issues. Prior to this, he managed global health programs combating pandemics with USAID and was a travel/culture writer for '*Lonely Planet*' and Fulbright Scholar and anthropologist in Morocco. Sam has a B.A. in Political Science and Near Eastern Studies from Cornell University.

1. How can AI boost education and learning management systems?

Dr. Helen Crompton is an international expert in educational technology. With a PhD in Educational Technology and Mathematics Education, she holds the position of Associate Professor of Educational Technology at Old Dominion University, VA, USA. Crompton has presented at national and international conferences on the topic of educational technology and published over 100 articles, book chapters, and white papers in this field. Dr. Crompton promotes inclusive learning and works with governments and organizations in various countries to support displaced populations, students with disabilities, and to empower women and girls.



Jason Bavington is the Director of Midnight Illusions, a 20-year strong digital development agency located near Toronto, Ontario. He has worked on a diverse range of web and mobile projects for startups, government organizations, and corporations, managing teams from 2–28 persons in size. Jason’s out-of-the-box thinking and drive to constantly embrace new technologies allows for the realization of uniquely innovative digital solutions. He has been leading software development teams that have worked on Grand Challenges for organizations such as XPRIZE and HeroX since 2015. He continues to pursue his dreams to create massively impactful software solutions to address global issues.

David Monllaó Olivé is a Lead Data Scientist at Moodle HQ, Perth (Australia). He held different positions related to software engineering during the last 12 years, formerly at Universitat Rovira i Virgili in Tarragona (Spain) and later at Moodle HQ. He also participated in Google Summer of Code, both as a student and as a mentor. He received a Bachelor's Degree in Computer Science from the Universitat Oberta de Catalunya, in Barcelona and he is finishing a Master of Philosophy in Machine Learning at The University of Western Australia.



Mila Gonçalves has been the Manager of Education and Learning at the Fundação Telefônica Vivo in Brazil, since 2011.

Psychologist with a Master of Science in Communications from USP – University of Sao Paulo.

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2. How can AI improve learning?



Andreas Hörfurter is partner and senior consultant at common sense eLearning & training consultants. He has supported numerous organizations in the introduction and implementation of eLearning in more than 30 countries. He developed his first eLearning course in 1995 and was since always active in the field of online learning. As educational psychologist he focuses on shaping effective and meaningful learning pathways.

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Dominic Mentor (Ed.D.) is a Professor at Teachers College Columbia University. While pursuing his doctorate at Columbia University as a Fulbright scholar from South Africa, he co-designed the USA's first mobile learning graduate class, and a social media fellowship for the NYC Mayor's Office. He was awarded Best Speaker at the International Conference on Globalization, Education, & Diversity 2016, and a Certificate of Excellence at the International Conference on Social Changes, Cultures, and Education (2016) in Washington DC. He also won the Optimas Gold Vision 2014 award from Workforce Magazine and the IELA 2015 blended eLearning award.

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