



in partnership with



# Skills for a connected world

## Programme

26-30 March 2018

UNESCO, Paris

# mobile learning week

### WORKSHOPS

Monday  
26 March

### SYMPOSIUM

Tuesday & Wednesday  
27-28 March

### POLICY FORUM

Thursday  
29 March

### STRATEGY LABS

Friday  
30 March



mobile  
learning  
week

semaine  
de l'apprentissage  
mobile

semana  
del aprendizaje  
móvil

неделя  
мобильного  
образования

移动学习周

أسبوع التعلُّم عبر  
الأجهزة المحمولة

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## The event

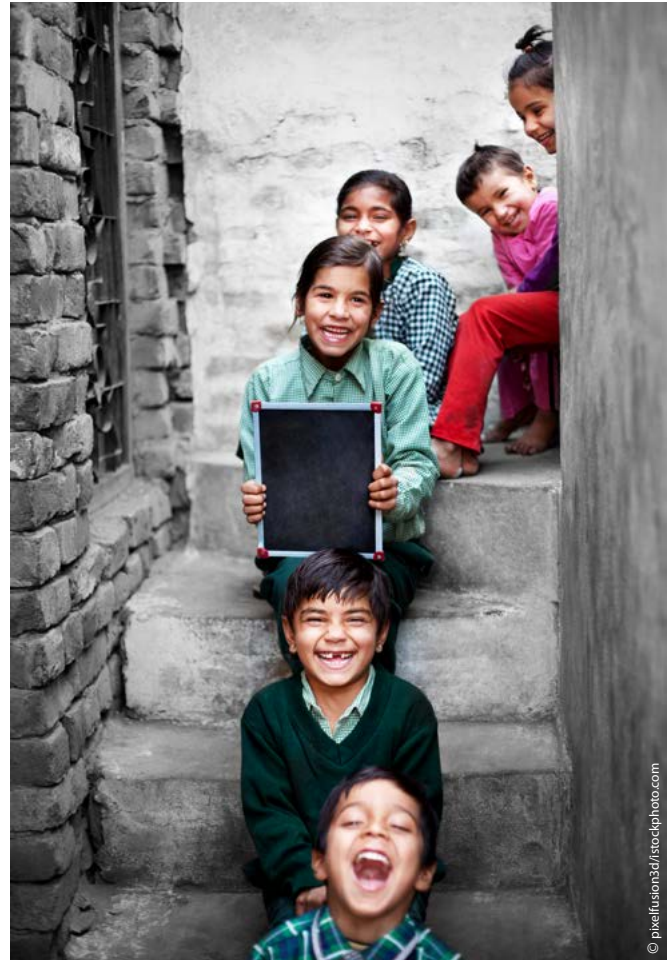
Mobile Learning Week is UNESCO's flagship ICT in education event. The 2018 edition, under the theme "Skills for a connected world", will examine the types of skills needed in and for a connected economy and society, with a focus on digital skills and competencies. It will also review strategies and ways in which these skills can be delivered and assessed within the context of Sustainable Development Goal 4 (SDG 4).

Mobile Learning Week 2018 is being organized in partnership with the International Telecommunication Union (ITU), the United Nations specialized agency for ICT, which jointly established the Broadband Commission with UNESCO. The event will be held from 26 to 30 March 2018 at UNESCO Headquarters in Paris. Mobile Learning Week 2018 will continue its mission of providing a platform to share knowledge, innovations and good practices in mobile learning to facilitate policy debate and promote peer learning.

### Living, working, and learning in a connected world

The world is becoming universally connected, with an estimated 95% of the global population living in an area covered by at least a basic 2G mobile-cellular network. Currently slightly over half the world's households have access to the Internet and this figure is expected to continue to rise as more and more families in developing countries come online. The rapid growth in broadband access and usage, driven by mobile-broadband technologies, has fostered the development of a digital economy across the world.

In a connected economy, the value-chains of production are increasingly centered around the technology-enabled links between people, devices, and organizations. The connected economy is giving rise to the Fourth Industrial Revolution (Industry 4.0). Connected products and services are being further boosted by technology breakthroughs stemming from the internet of things (IoT), robotics, and artificial intelligence (AI) among other sources. In the most advanced economies, this movement will alter business models in most industrial sectors in the next 10 years and affect nearly two-thirds of the global gross domestic product (GDP). These trends accelerate the pace of job displacement and job creation. A World Economic Forum study covering 15 developed and developing countries, estimated that more than 5.1 million jobs will be lost as a result of labour market changes over the period 2015 to 2020. Meanwhile, as AI-enabled automation substitutes for labour across economies, workers who are displaced will need to develop new skill sets required by the occupations to be created in the emerging Industry 4.0. However, focusing on automation and robotics provides only a very limited view of the opportunities and challenges. Digitalization is expected to change the whole context in



which business processes are organized and could present opportunities for developing countries to 'leapfrog' some stages of economic development.

Alongside these economic shifts, the world is moving toward a connected society. Individual relationships and public life in a connected society are being re-organised at an unprecedented pace with far-reaching impacts. In most connected societies, public services are increasingly delivered and administered online in the form of 'e-government', 'e-service', 'e-health', and 'e-learning'. These connected services can empower individuals by offering wider access to socio-economic opportunities. They also interject new challenges: people without digital skills or internet access risk further social and economic exclusion as portals to essential services move on online.

### Digital skills are critical for jobs and social inclusion in a connected world

To realize opportunities presented by digitalization, governments need to understand how jobs—and the skill sets demanded by these jobs—are changing. Digital skills have moved from 'optional' to 'critical' and need to be complemented with transversal 'soft skills' such as the ability to communicate effectively in both online and offline mediums. The primacy of

digital skills was underscored by a recent European Commission report showing that the ability to use computers and manage electronic information was required by the vast majority of jobs. In developing countries, digital skills are also in high demand and greatly improve prospects for decent employment.

Digital skills are generally understood as a continuum of skills to use digital devices, communication applications, and networks to access and manage information, create and share digital content, communicate and collaborate, and solve problems for effective and creative self-fulfillment in life, learning, work, and social activities at large.

Entry-level digital skills, meaning basic functional skills required to make rudimentary use of digital devices and online applications, are widely considered to be a critical component of a new set of literacy skills in the digital era, with traditional reading, writing, and numeracy skills. At the advanced end of the digital skills continuum are the higher-level abilities that allow users to make use of digital technologies in empowering

and transformative ways, including abilities that form the basis of specialist ICT occupations and professions. Major digital transformations such as AI, machine learning, the IoT, and big data analytics, change skills requirements and, in turn, impact capacity building and skills development for the 21st century digital economy.

To thrive in the connected economy and society, digital skills are not sufficient; they must function in concert with other complementary cognitive and non-cognitive skills such as strong literacy and numeracy skills as well as a host of intrapersonal and interpersonal skills, including critical and innovative thinking, complex problem solving, an ability to collaborate, and socio-emotional skills. (UNESCO often refers to these diverse yet interconnected skills as global citizenship skills.)

In this context, the Mobile Learning Week 2018 will focus on the challenges and strategies to offer digital skills development opportunities for all.

## Objectives

**Mobile Learning Week 2018 has been designed to expand the international knowledge base about digital skills education and facilitate actions to achieve the following objectives:**

- **Define and mainstream digital skills** to promote an integrated approach to digital skill development that is relevant for self-fulfilment, jobs, and social inclusion.
- **Innovate skills provision for jobs in the digital economy** through strengthening institutional capacities and teachers' digital competencies, bridging formal and non-formal provision, reinforcing capacity development initiatives, establishing ties with employers, ensuring affordability and availability, and leveraging mobile technology.
- **Close inequalities and gender divides** to ensure inclusion and equity in digital skills development programmes.
- **Map and anticipate changing skill needs** to measure and anticipate the changing needs for digital skills and to inform the continued adjustment of strategies and provision.



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# Mobile Learning Week structure

## **WORKSHOPS** Monday 26 March

The Workshops will facilitate demonstrations of innovative policies, research, projects, and mobile learning solutions. Workshop presenters were selected from a wide range of international organizations, NGOs, governmental agencies, and academic institutions that are implementing digital skills development programmes. Seventeen workshops will be conducted.

## **SYMPOSIUM** Tuesday & Wednesday 27-28 March

The Symposium forms the core of Mobile Learning Week and will feature opening and closing remarks from UNESCO, ITU and other partner organizations, keynote speeches, high-level plenary addresses, and over 60 breakout presentations.

## **POLICY FORUM** Thursday 29 March

The Policy Forum will offer a platform to discuss the different pathways that governments are using to support the development of the digital skills required in the digital economy.

## **STRATEGY LABS** Friday 30 March

Strategy Labs will be hosted by UNESCO and ITU partner organizations to help guide the conceptualization and refinement of projects for defining frameworks, assessing digital skills across groups and across time, and anticipating the changing needs for digital skills.

## **SIDE EVENTS + EXHIBITION** Monday - Friday 26-30 March

UNESCO and ITU as well as sponsors and supporters will host a series of side events and exhibits to complement the main Mobile Learning Week programme.

# Workshops

Monday 26 March 2018

8:00-9:15	Registration   UNESCO, 125 avenue de Suffren, Paris	
<b>MORNING SESSIONS</b>		
9:15-9:45	Opening plenary, David Atchoarena, Director for Policies and Lifelong Learning Systems, UNESCO	<b>ROOM 2</b>
9:45-11:15	<b>A. Teacher skills in a connected world: ICT competency for the transformation of teaching and learning</b> Ines Theodora da Silva, International Task Force on Teachers for Education 2030; Natalia Amelina, UNESCO Institute for Information Technologies in Education (IITE)	<b>ROOM 7</b>
	<b>B. Boosting skill learning through mobile technology: The skills-pedagogy-technology nexus</b> Shyamal Majumdar, UNESCO-UNEVOC International Centre for Technical and Vocational Education and Training	<b>ROOM 6</b>
	<b>C. Implementing the Ljubljana OER Action Plan by building skills via OER-based Artificial Intelligence technologies</b> Davor Orlic, Knowledge 4 All Foundation, United Kingdom; Mitja Jermol and Marko Grobelnik, Jožef Stefan Institute, Slovenia	<b>ROOM 8</b>
	<b>D. Designing digital standards for education in crises (along with Google.org and Learning Equality)</b> Maren Kroeger, UNHCR; Lauren Lichtman, Shivi Chandra and Devon Rueckner, Learning Equality, United States	<b>ROOM 3</b>
11:15 -11:45	COFFEE BREAK	
11:45- 13:15	<b>A. We can work it out: Building future skills for the digital economy</b> Birgit Frank, Federal Ministry for Economic Cooperation and Development (BMZ), Germany, Maria Garrido, University of Washington, United States; Abigail Hunt, Overseas Development Institute, United Kingdom; Rym Jarou, Smart Tunisia, Tunisia; Ann Rosenberg, SAP, Germany; Davide Storti, UNESCO; Ornella Turgetto, Siemens, Germany	<b>ROOM 7</b>
	<b>B. The power of digital gaming for literacy</b> Rebecca Leege, World Vision - All Children Reading, United States; Liv Marte Kristiansen Nordhaug, NORAD, Norway; Nedjma Koval-Saifi, INTEGRATED, Jordan; Francesco Cavallari, Video Games without Borders, Spain; Emmanuel Guardiola, Cologne Game Lab, Germany	<b>ROOM 6</b>
	<b>C. The future of learning: Current best practices and future trends in mobile learning</b> Fengchun Miao, Justine Sass and Anett Domiter, UNESCO; Xiao Li, Fazheng Group, China; Branka Vuk, CARNET, Croatia; Javier Collado, National University of Education, Ecuador	<b>ROOM 3</b>
	<b>D. A roadmap toward global digital citizenship, skills and competencies: Laying foundations for the SKILLED initiative</b> Beeban Kidron, Broadband Commission; David Atchoarena, UNESCO	<b>ROOM 8</b>
13:15-14:30	LUNCH	

AFTERNOON SESSIONS		
14:30-16:00	A. <b>Digital skills cultivated in an international secondary school</b> Steven Wood and Weiyang Xia, Beijing Royal School, China	ROOM 6
	B. <b>Promoting new digital competencies in the 21st-century schools: ASPnet schools as pioneers</b> Natalia Amelina, UNESCO IITE; Sabine Detzel, UNESCO Associated Schools Network (ASPnet), Cheng Hui, Huashi Education (HSEDU), China	ROOM 3
	C. <b>ICT Competency Framework for Teachers Version 3</b> Zeynep Varoglu, UNESCO; Neil Butcher, Neil Butcher & Associates, South Africa; Jonghwi Park, UNESCO; Svetlana Knyazeva, UNESCO IITE	ROOM 9
	D. <b>Dialogic interaction for enhancing digital citizenship: Building on-line educational debates with students on Twitter</b> Ángels Soriano Sánchez, @Xatac_5, Spain ; Maria Nieves Lorenzo Galés, The Transformation Society, Spain	ROOM 8
	E. <b>Holey pipelines: The experience of MIT in developing capacity amongst refugees and host communities in the Middle East</b> Genevieve Barrons, MIT Media Lab, United States	ROOM 7
16:00-16:30	COFFEE BREAK	
16:30-18:00	A. <b>Implementing digital skills in the era of Artificial Intelligence</b> Maria Nieves Lorenzo Galés and Raymond Gallon, The Transformation Society, France and Spain	ROOM 3
	B. <b>Managing digital curricula using the free, device-independent, Collablify Roadmap System</b> Cathie Norris and Elliot Soloway, University of North Texas, United States; Nandini Chatterjee and Anantha Duraiappah, UNESCO MGIEP	ROOM 9
	C. <b>Designing digital solutions for the next billion</b> Steve Vosloo, UNESCO; Jennifer Young, Pearson, United States	ROOM 8
	D. <b>Moodle: A mobile vehicle for empowering educators</b> Solange Lalonde and Bob McDonald, Moodle Pty Ltd, United States	ROOM 7

# Symposium

Tuesday 27 March 2018  
Wednesday 28 March 2018

## Symposium Day 1

Tuesday 27 March 2018

Interpretation in English and French is available during plenary sessions

8:30-10:00	Registration and welcome coffee   UNESCO, 125 avenue de Suffren, Paris	
<b>MORNING SESSIONS</b>		
10:00-10:20	<b>Opening ceremony</b> Moderator: ADG/ED, UNESCO <ul style="list-style-type: none"> <li>Audrey Azoulay, Director General, UNESCO</li> <li>Fekitamoeloa Katoa 'Utoikamanu, United Nations Under-Secretary-General and High Representative for the Least Developed Countries, Landlocked Developing Countries and Small Island Developing States (UN-OHRLS)</li> <li>Brahima Sanou, Director, ITU Telecommunication Development Bureau</li> </ul>	<b>ROOM 2</b>
10:20-11:00	<b>Keynote addresses</b> <ul style="list-style-type: none"> <li><b>H.E. Tarek Shawki</b>, Minister of Education of Egypt</li> <li><b>H.E. Joseph Mucheru</b>, Minister of Information, Communications and Technology of the Republic of Kenya</li> </ul> <b>Special guests:</b> Pupils of the School Henri Wallon of Plessis-Robinson, France	<b>ROOM 2</b>
11:00-11:25	<b>Plenary speeches I</b> <ul style="list-style-type: none"> <li>Fazheng Group - Xiao Li, Chief Representative of Fazheng Group in the United Kingdom</li> <li>NORAD - Liv Marte Kristiansen Nordhaug, Senior Adviser</li> <li>Weidong Group - Duanrui Wang, Board Chairman</li> </ul>	<b>ROOM 2</b>
11:25-11:45	<b>Interactive exhibition</b> Teaching computer science at school – presented by the pupils of the school Henri Wallon of Plessis-Robinson by <i>La main à la pâte</i> .	<b>Salle des pas perdus</b>
11:25-11:45	COFFEE BREAK	
11:45-13:10	<b>Plenary #1   Defining and mainstreaming digital skills</b> Moderator: David Atchoarena, the Division for Policies and Lifelong Learning Systems, UNESCO <b>Announcement of the publication</b> "A lifeline to learning: Leveraging technology to support education for refugees". <ul style="list-style-type: none"> <li>Yves Punie, Author of the Digital Competence Framework for Citizens, European Commission</li> <li>Chris Coward, Director of the Technology and Social Change Group (TASCHA), United States</li> <li>Ronghuai Huang, Dean of the Smart Learning Institute of Beijing Normal University, China</li> <li>Jongwon Seo, Chief of the International Initiative and Cooperation Section, KERIS, Republic of Korea</li> </ul>	<b>ROOM 2</b>
13:10-14:10	LUNCH	



AFTERNOON SESSIONS		
14:10-15:40	<b>TRACK 1   Defining and mainstreaming digital skills</b> <b>Session title: AI skills for the digital economy</b> <b>Moderator: Susan Teltscher, Head, Human Capacity Building Division, ITU</b>	<b>ROOM 7</b>
	A. <b>Skills for a digital world of work</b> Stéphanie Jamet, OECD	
	B. <b>Bridging the AI skills gap: The role of academic institutions</b> Denis Guibard, Director of Télécom Ecole de Management, France	
	C. <b>The impact of the digital transformation on skills development</b> Maria Nieves Lorenzo Galés and Ray Gallon, The Transformation Society, France and Spain	
	D. <b>Landscaping global jobs and skills dynamics</b> Marko Grobelnik, Jožef Stefan Institute, Slovenia	
	E. <b>Data science skills for rural and urban employment</b> Juan Sandino, Rural Data Science Peace Startup, Colombia	
	F. <b>Introducing the SKILLED initiative: Skills for life, learning and education in a digital world</b> Mark West, UNESCO; Alexandra Evans, 5Rights	
14:10-15:40	<b>TRACK 2   Innovating skills provision for jobs in the digital economy</b> <b>Moderator: Nancy Sundberg, Senior Programme Officer, ITU</b>	<b>ROOM 3</b>
	A. <b>Turkcell's Digital Academy to enhance skills in the digital economy</b> Esat Sonmezer, Turkcell, Turkey	
	B. <b>Mobile Information Literacy: Adaptable curricula for smartphone users in Myanmar and Kenya</b> Maria Garrido and Stacey Wedlake, TASCHA, United States	
	C. <b>An innovative regional hub in Tirana</b> Milena Harito, Office of the Prime Minister of Albania	
	D. <b>Help universities equip learners with job-ready digital skills by establishing Digital Education Link Hubs</b> Fan Li, International Centre for Higher Education Innovation under the auspices of UNESCO	
	E. <b>Nokia's approach to promoting ICT in education and applications in France: Leveraging StrongHer employees network</b> Florence Dossogne, Nokia, France	
	F. <b>Social Media as an innovation tool: The blurring of professional and private digital identities</b> Angela Beckh-Bacchetta, MediaLab University of Geneva, Switzerland	
14:10-15:40	<b>TRACK 3   Closing inequalities and gender divides</b> <b>Moderator: Steve Vosloo, Senior Project Officer, UNESCO</b>	<b>ROOM 8</b>
	A. <b>UNICEF Innovation Fund's Accessibility Portfolio: Spotlight on Open Source E-reading in Kenya</b> Juan Pablo Giraldo, UNICEF	
	B. <b>Live stream from a village in Malawi: Listening to the voices of mothers and girls in a connected world</b> Dario Gentili, Unlocking Talent, Malawi	
	C. <b>Transformative pathways: Participatory approaches to integration of mobile-based skill development among women in rural India</b> Srividya Sheshadri, Center of Women's Empowerment and Gender Equality, India	
	D. <b>Developing females' and teachers' digital skills in Ghana</b> Mohamed Ally, Athabasca University, Canada; Margarete Grimus, ICT4d.at, Austria	
	E. <b>The ongoing story of refugee coding schools joining forces</b> Josephine Goube, Techfugees, United Kingdom; Tom Liam Lynch, Babble Lab, United States	
	F. <b>A lifeline to learning: Leveraging technology to support education for refugees</b> UNESCO publication launch by Michela Pagano, supported by Fengchun Miao, UNESCO	

14:10-15:40	<p><b>TRACK 4   Mapping and anticipating changing skill needs</b>  <b>Moderator: Lindsay Young, Associate Project Officer, UNESCO</b></p> <p>A. <b>Measuring digital well-being for the Smart Nation</b>  Han Ei Chew, RySense Ltd, Singapore</p> <p>B. <b>Mapping and analyzing Brazilian digital skills: A case study over Federal Legislation and Santa Catarina State</b>  Beatrice Bonami, University of São Paulo/Federal Institute of Education Science and Technology, Brazil</p> <p>C. <b>Defining what makes a digital skill of the present and future: Looking into the obvious digital skills</b>  Kelvin Childress, Beijing Royal School, China</p> <p>D. <b>Advancing mobile literacy learning</b>  Carolina Belalcazar Canal, UNESCO Institute for Lifelong Learning (UIL); Steven Duggan, Microsoft Corporation, United States</p> <p>E. <b>Assessing digital and 21st-century skills through game-based assessment</b>  Lee Nordstrum and Sarah Pouezevara, RTI International, United States</p>	ROOM 6
14:10-15:40	<p><b>SIDE EVENT:</b> The launch of the Global Digital Library</p> <ul style="list-style-type: none"> <li>• Liv Marte Kristiansen Nordhaug, Senior Adviser, NORAD, Norway</li> <li>• Christer Gundersen, Chief Technology Officer, Norwegian Digital Learning Arena (NDLA), Norway</li> <li>• Fengchun Miao, Chief of the Unit for ICT in Education, UNESCO</li> </ul>	ROOM 9
15:40-16:00	COFFEE BREAK	
16:00-17:30	<p><b>Plenary #2   Innovating skills provision for jobs in the digital economy</b>  <b>Keynote address: Brahima Sanou, Director, ITU Telecommunication Development Bureau</b>  <b>Moderator:</b> Kemal Huseinovic, Chief of the Department of Infrastructure, Environment and E-Applications, ITU</p> <ul style="list-style-type: none"> <li>• Joseph Mucheru, Minister of Information, Communications and Technology of the Republic of Kenya</li> <li>• James Keevy, CEO of JET Education Services, South Africa</li> <li>• Baroness Beeban Kidron, Broadband Commission</li> <li>• Ana Cristina Neves, Director of the Department for the Information Society at the Foundation for Science and Technology/Member of the Portugal INCoDe.2030 Initiative, Portugal</li> </ul>	ROOM 2
16:00-17:30	<p><b>SIDE EVENT:</b> EQUALS in Tech: Principles for quality and gender-transformative digital skills training</p> <p>Introduction/moderation: Saniye Gülser Corat, UNESCO; Norman Schraepel, Policy Advisor and Project Manager, Federal Ministry for Economic Cooperation and Development (BMZ), Germany</p> <ul style="list-style-type: none"> <li>• Members of the EQUALS Skills Coalition</li> </ul>	ROOM 3
17:30-19:30	NETWORKING RECEPTION	

# Symposium Day 2

Wednesday 28 March 2018

Interpretation in English and French is available during plenary sessions

8:30-10:00	Registration   UNESCO, 125 avenue de Suffren, Paris	
10:00-17:00 14:00-17:00	<b>Interactive exhibitions</b> A software to introduce the concept of programming presented by the team of Simplon.co. Robotics demonstration by the robotics club of Meudon, FIRST LEGO League.	<b>Salle des pas perdus</b>
<b>MORNING SESSIONS</b>		
9:30-10:00	<b>Keynote address: Moussa Oumarou, Deputy Director-General for Operations and Partnerships, ILO</b> <b>Moderator:</b> Valtencir Mendes, Project Officer, UNESCO	<b>ROOM 2</b>
10:00-11:20	<b>Plenary #3   Closing inequalities and gender divides</b> <b>Moderator:</b> Susan Schorr, Head, Digital Inclusion Division, ITU • Justina Mashiba, Secretary of the Universal Communications Service Access Fund (UCSAF) • Ingmar Weber, Research Director for Social Computing at the Qatar Computing Research Institute, Qatar • Maria Elena Nawar, International Development Bank • Pilar Figueroa Casas, Laboratoria graduate, Mexico • Justine Sass, Chief, Section of Education for Inclusion and Gender Equality, UNESCO • Maren Kroeger, Connected Learning in Higher Education, UNHCR	<b>ROOM 2</b>
11:20-11:50	COFFEE BREAK	
11:50-13:10	<b>TRACK 1   Defining and mainstreaming digital skills</b> <b>Moderator: Jonghwi Park, Programme Specialist, UNESCO</b>	<b>ROOM 5</b>
	A. <b>Integrating digital literacy in Southeast Asia: A collection of success stories from SEAMEO</b> Ethel Agnes Valenzuela, SEAMEO Secretariat, Thailand; Abi Sujak, SEAMOLEC, Indonesia	
	B. <b>TLC for MOOCs: Creating teaching and learning communities for MOOCs</b> Dominic Mentor, Columbia University, United States	
	C. <b>Reform, digital transition, digital literacy and school management: An inventory of the Wallonia-Brussels Federation</b> Aurélien Fievez, Ministry of Education of Belgium	
	D. <b>Computational thinking for all: Thinking about learning, learning about thinking</b> Ismar Frango Silveira, Universidade Presbiteriana Mackenzie, Brazil	
	E. <b>A large scaled digital skills development model for Turkish teachers: Planning, Application, Evaluation and Monitoring</b> Mustafa Hakan BUCUK, Ministry of National Education of Turkey	
11:50-13:10	<b>TRACK 2   Innovating skills provision for jobs in the digital economy ITU-ILO Interactive Session on Innovations, Challenges and Good Practices in Job-ready digital skills?</b> <b>Moderator : Susana Puerto, Senior Youth Employment Specialist, ILO</b>	<b>ROOM 3</b>
	<b>Job-ready digital skills to promote youth employment: The ITU-ILO Digital Skills for Decent Jobs for Youth Campaign</b> Susan Schorr, Head, Digital Inclusion Division, ITU	
	<b>Interactive dialogue to foster a community of practice among job-ready digital skills training providers</b> • Mariana Costa, Laboratoria, Peru • Frédéric Bardeau, Simplon.co, France • Raman Nambiar, Switch Maven, Philippines • João Magalhães, Academia deCodigo, Portugal • Vitalii Varbanets, IT STEP Academy, Ukraine • Maria Elena Nawar, Inter-American Development Bank, United States	

11:50-13:10	<b>TRACK 3   Closing inequalities and gender divides</b> <b>Moderator: Natalia Amelina, Chief of Section of Teacher Professional Development and Networking, UNESCO IITE</b>	<b>ROOM 7</b>
<p>A. <b>The Internet for education: Developing digital skills for the future</b> Constance Bommelaer de Leusse, Internet Society, Switzerland</p> <p>B. <b>Connecting offline learners to 21<sup>st</sup> century skills</b> Nicole Comforto, World Possible, United States; Charlie Schweik, Nikhila Nandgopal and Scott McCullough, University of Massachusetts, United States</p> <p>C. <b>Closing ICT inequalities in Tanzania: the Universal Communications Service Access Fund (USCAF) initiative</b> Justina Mashiba, USCAF, United Republic of Tanzania</p> <p>D. <b>Mobile learning and formal education: Research actions for a connected education</b> Silvia Cristina Batista, Instituto Federal Fluminense, Brazil</p> <p>E. <b>Bringing equity to communication and technology</b> Cliff Schmidt, Amplio, United States</p>		
11:50-13:10	<b>TRACK 4   Mapping and anticipating changing skill needs</b> <b>Moderator: Anett Domiter, Associate Project Officer, UNESCO</b>	<b>ROOM 6</b>
<p>A. <b>Mobile e-Book for BITEC learner &amp; K-12 in a connected world</b> Taerim Lee, Korean National Open University, Republic of Korea</p> <p>B. <b>Society, Internet, connectivism: Use of MOOCs' big data as digital pedagogy strategy for sustainable development</b> Marcela Georgina Gomez Zermeno, Tecnologico de Monterrey, Mexico</p> <p>C. <b>Strategies and skills to cope with the negative effects of digitalization</b> Dan Frenidin, Kalmarsunds Gymnasieförbund, Sweden</p> <p>D. <b>Stopping smartphone addiction for academic success: An IT and psychology multidisciplinary intervention at the school</b> Helber Wagner Da Silva, Federal Institute of Rio Grande do Norte (IFRN), Brazil</p> <p>E. <b>MOOCs and continuous professional development for teachers: Giving teachers the tools</b> Chris Cavey, British Council, United Kingdom</p> <p>F. <b>Mapping a national public policy of digital skills development in Brazil</b> Daniela Costa and Paulo Neto, NIC.BR/CETIC.BR, Brazil</p>		
11:50-13:10	<b>SIDE EVENT: An information meeting on UNESCO King Hamad Bin Isa Al-Khalifa Prize for the Use of ICTs in Education</b> Moderator: Fengchun Miao, Chief of the Unit for ICT in Education, UNESCO <ul style="list-style-type: none"> <li>• Wafa A. Al-Khalifa, Deputy Permanent Delegate of Bahrain to UNESCO</li> <li>• Ilham Laaziz, Ministry of Education of Morocco, winner of the UNESCO King Hamad Bin Isa Al-Khalifa Prize for the Use of ICTs in Education</li> <li>• Amina Charania, Tata Institute of Social Sciences, India, winner of the UNESCO King Hamad Bin Isa Al-Khalifa Prize for the Use of ICTs in Education</li> <li>• Branka Vuk, Deputy CEO CARNET, Croatia, shortlisted project of the UNESCO King Hamad Bin Isa Al-Khalifa Prize for the Use of ICTs in Education</li> <li>• Leonora Dowley, Varkey Foundation, United-Kingdom, shortlisted project of the UNESCO King Hamad Bin Isa Al-Khalifa Prize for the Use of ICTs in Education</li> </ul>	<b>ROOM 8</b>
11:50-13:10	<b>SIDE EVENT: Building inclusive societies through education and culture or simply how to be sustainable and creative</b> <ul style="list-style-type: none"> <li>• Denitsa Sacheva, Deputy Minister of Education and Science of the Republic of Bulgaria</li> <li>• Stefaan Hermans, Directorate-General for Education, Youth, Sport and Culture, European Commission</li> <li>• Vladislav Slavov, University of Sofia, Bulgaria</li> <li>• Karina Angelieva, Permanent Representation of Republic of Bulgaria to the EU</li> </ul>	<b>ROOM 9</b>
13:10-14:10	LUNCH	

AFTERNOON SESSIONS		
14:10-14:40	<b>Plenary speeches II</b> Moderator: Valtencir Mendes, Project Officer, Unit for ICT in Education, UNESCO <ul style="list-style-type: none"> <li>• Ericsson - Zohra Yermeche, Program Director</li> <li>• Fundación ProFuturo - Javier González Casado, Manager of Educational Innovation</li> <li>• BMZ - Birgit Frank, Policy Officer, Federal Ministry for Economic Cooperation and Development</li> <li>• Google.org</li> <li>• Microsoft - Steven Duggan, Director, Global Partnerships</li> </ul>	ROOM 2
14:40-16:10	<b>Plenary #4   Mapping and anticipating changing skill needs</b> Moderator: Fengchun Miao, Chief of the Unit for ICT in Education, UNESCO <ul style="list-style-type: none"> <li>• H.E. Ursula Owusu-Ekuful, Minister of Communications of Ghana</li> <li>• H.E. Denitsa Sacheva, Vice-Minister for Education and Science of Bulgaria</li> <li>• Michael Fung Jin Lung, Group Director of Training Partners Group, SkillsFuture Singapore</li> <li>• Dominic Orr, Senior Researcher at FiBs, Germany</li> <li>• Nancy Law, Director of the Centre for Information Technology in Education, University of Hong Kong, China SAR</li> </ul>	ROOM 2
16:10-16:30	<b>COFFEE BREAK</b>	
16:30-18:00	<b>TRACK 1   Defining and mainstreaming digital skills</b> <b>Moderator: Valtencir Mendes, Project Officer, UNESCO</b>	ROOM 8
	A. <b>Digital skills integration in Visakhapatnam, India with the Stanford Mobile Inquiry-based Learning Environment (SMILE)</b> Wilson Wang, SMILE, United States	
	B. <b>Tell me what I do: A mobile app to enhance teacher skills through classroom observation</b> Imran Zualkernan, American University of Sharjah, United Arab Emirates	
	C. <b>Digital skills: It's not about technology, it's all about the teachers!</b> Albert Forn, GSMA, United Kingdom	
	D. <b>Skills-building, innovation and knowledge exchange in initial teacher education: The ITELab Erasmus+ Knowledge Alliance project</b> Conor Galvin, UCD Dublin College of Social Sciences, Ireland	
	E. <b>Innovative capacity-building of educators for 21<sup>st</sup> century learning challenges</b> Mohammad Santally, University of Mauritius, Mauritius	
	F. <b>Smart Learning competencies unlock the future for our generation</b> Ali Al Yafei, Ministry of Education of the United Arab Emirates	
16:30-18:00	<b>TRACK 2   Innovating skills provision for jobs in the digital economy</b> <b>Moderator : Sandra Cortesi, Director of Youth and Media, Digitally Connected, Berkman Klein Center for Internet &amp; Society, Harvard University, United States</b>	ROOM 5
	A. <b>Project LEAP from pilot to scale: Integrating digital reading throughout the Kenyan National Library Service</b> Zev Lowe, Worldreader, United States	
	B. <b>Preparing ASEAN youth for full engagement in the emerging digital economy</b> Rebecca Stoeckle, Education Development Centre, United States	
	C. <b>From coding to careers: Advancing diverse communities</b> Chris Corcino, Cincinnatus Institute of Craftsmanship, Dominican Republic; Dominic Mentor, Columbia University, United States	
	D. <b>Shaking and challenging head teachers in order to prepare young people for the world of 2030</b> Leonora Dowley, Varkey Foundation, United Kingdom	
	E. <b>Bridging the gap of Dskills for jobs: Compass, the digital upskilling platform for unemployed youth</b> Muriel Santoro, Expertise France, France; Brian Cochrane, Dara Creative, Ireland	
	F. <b>HP Life: Providing skills that transform lives</b> Paolo Dal Santo, HP, Switzerland	

<p>16:30-18:00</p>	<p><b>TRACK 3   Closing inequalities and gender divides</b>  <b>Moderator: Michela Pagano, Associate Project Officer, UNESCO</b></p> <p>A. <b>Digital bootcamp for Syrian refugees: Laying down the foundations of a 21st century education</b>          Jehane Akiki, ioi strategic design, United States</p> <p>B. <b>Mobile bus classrooms for mobile learning: Addressing digital inequalities in refugee education</b>          Sebastien Breteau and Caroline Breteau, The Breteau Foundation, United Kingdom</p> <p>C. <b>Connecting refugees to job opportunities through digital skills</b>          Sybille Fleischmann, Lisa Steina and Muafaq Al-Mufti, NetHope, Germany</p> <p>D. <b>Empowering girls and women in literacy and skill development using ICTs (School meets learner approach)</b>          Rohkaya Diawara and Asibong Eneobong, UNESCO</p> <p>E. <b>Training teachers for a connected world: pedagogical use of digital technologies</b>          Gilmara Barcelos, Federal Institute of Education Sciences and Technology Fluminense, Brazil</p>	<p><b>ROOM 7</b></p>
<p>16:30-18:00</p>	<p><b>TRACK 4   Mapping and anticipating changing skill needs</b>  <b>Moderator: Mike Nxele, Senior Human Capacity Building Officer, ITU</b></p> <p>A. <b>Understanding the relationship between digital skills and consumer behavior</b>          Zohra Yermeche, Ericsson – Connect To Learn, Sweden</p> <p>B. <b>Innovative pedagogy and our connected world: Rethinking skills for the digital natives (Ecuador case) and mobile cloud strategy for teaching and learning</b>          Ferial Khaddage, University of Balamand, Lebanon; Lucila Pérez, Casa Grande University, Ecuador</p> <p>C. <b>EMC2: A new formula to transform learning in the classroom</b>          Nandini Chatterjee, UNESCO MGIEP</p> <p>D. <b>Developing digital skills and computational thinking in students and teachers in Mexico</b>          Cristina Cardenas, Ministry of Public Education of Mexico</p> <p>E. <b>AIEE: 'AI skills in Education &amp; Ethics' through mobile devices for a connected and sustainable world</b>          Dhvani Trivedi, BVM Engineering College, India</p> <p>F. <b>Mobile learning for the workforce: Educational needs assessment at a refugee camp in Lesbos</b>          Helen Crompton and Judith Dunkerly-Bean, Old Dominion University, United States; Khitam Shraim Palestine Technical University – Kadoorie, Palestine; Ferial Khaddage, University of Balamand, Lebanon</p>	<p><b>ROOM 6</b></p>
<p>16:30-18:00</p>	<p><b>SIDE EVENT: An information meeting on the Ljubljana OER Action Plan 2017</b></p> <ul style="list-style-type: none"> <li>• Zeynep Varoglu, UNESCO</li> <li>• Fengchun Miao, UNESCO</li> <li>• Cable Green, Creative Commons, Canada</li> <li>• Gašper Hrastelj, Slovenian National Commission for UNESCO, Ministry of Education, Science and Sport of Slovenia</li> <li>• Mitja Jermol, Jožef Stefan Institute, Slovenia</li> <li>• Davor Orilic, Jožef Stefan Institute, Slovenia</li> </ul>	<p><b>ROOM 3</b></p>
<p>18:00-18:20</p>	<p><b>Closing ceremony</b></p> <p>Moderator: Fengchun Miao, Chief of the Unit for ICT in Education, UNESCO</p> <ul style="list-style-type: none"> <li>• David Atchoarena, Director for Policies and Lifelong Learning Systems, UNESCO</li> <li>• Kemal Huseinovic, Chief of Infrastructure, Enabling Environments and E-Applications, ITU</li> </ul>	<p><b>ROOM 2</b></p>

# Policy Forum

Thursday 29 March  
Room 2

TIME	PROGRAMME	SPEAKERS
09:00-09:15	<b>Welcome and introduction</b>	<ul style="list-style-type: none"> <li>• <b>David Atchoarena</b>, Director, Division for Policies and Lifelong Learning Systems, UNESCO</li> <li>• <b>Brahima Sanou</b>, Director, Telecommunication Development Bureau, ITU</li> </ul>
09:15-9:30	<b>Statement by UN-OHRLS</b>	<ul style="list-style-type: none"> <li>• <b>Fekitamoeloa Katoa 'Utoikamanu</b>, High Representative for the Least Developed Countries, Landlocked Developing Countries and Small Island Developing States, UN-OHRLS</li> </ul>
09:30-9:50	<b>Keynote speech</b>	<ul style="list-style-type: none"> <li>• <b>H.E. Boris Koprivnikar</b>, Deputy Prime Minister of Slovenia</li> </ul>
9:50-11:00	<b>SESSION 1. Mapping out the development of digital skills internationally and monitoring progress at country level</b> <ul style="list-style-type: none"> <li>• Learning from international comparisons of digital skills development</li> <li>• Policy strategies of best-performing countries in mapping out the development of digital skills</li> <li>• Country methods for monitoring and assessing the development of digital skills at national and school level</li> </ul>	<b>MODERATOR:</b> Francesc Pedro, Chief, Education Policy, UNESCO <b>SPEAKERS:</b> <ul style="list-style-type: none"> <li>• <b>David Atchoarena</b>, Director, Division for Policies and Lifelong Learning, UNESCO</li> <li>• <b>Morten Soby</b>, Representative of the Norwegian Directorate for Education and Training, Norway</li> <li>• <b>Alexandre Barbosa</b>, Head, Center of Studies for Information and Communications Technologies, CETIC.br, Brazil</li> <li>• <b>Lawrence Yanovitch</b>, President, GSMA Foundation, United Kingdom</li> </ul>
11:00-11:15	COFFEE BREAK	
11:15-12h40	<b>SESSION 2. Addressing digital skills gaps and expanding learning opportunities:</b> <ul style="list-style-type: none"> <li>• Sharing lessons learned from best performing countries in this domain</li> <li>• CODE@SG Movement: Developing computational thinking as a national capability</li> <li>• Introducing coding skills in educational curricula</li> <li>• Reviewing the contribution of computer programming, computational thinking, and coding skills to digital skills development</li> </ul>	<b>MODERATOR:</b> David Atchoarena, Director, Division for Policies and Lifelong Learning Systems, UNESCO <b>SPEAKERS:</b> <ul style="list-style-type: none"> <li>• <b>H.E. Madeleine Alingué</b>, Minister of Posts, Emerging Information and Communication Technologies of Chad</li> <li>• <b>Fernando Ortega Cabrera</b>, IT Director, Ministry of Education of Cuba</li> <li>• <b>Adrian Lim</b>, Director for Digital Participation and Foresight, Info-communications Media Development Authority of Singapore</li> <li>• <b>Mathieu Jeandron</b>, Director for ICT in Education, Ministry of National Education of France</li> </ul>
12h45-14h15	LUNCH	

14h15-15h25	<p><b>SESSION 3: Promoting digital skills for decent jobs</b></p> <ul style="list-style-type: none"> <li>• The Digital Learning Programme</li> <li>• The experience of coding bootcamps for women and youth</li> <li>• ITU-ILO digital skills for decent jobs for youth campaign</li> <li>• Success stories</li> </ul>	<p><b>MODERATOR:</b> Tim Unwin, Chair in ICT4D and Emeritus Professor of Geography at Royal Holloway, University of London, United Kingdom</p> <p><b>SPEAKERS:</b></p> <ul style="list-style-type: none"> <li>• <b>H.E. Tarek Shawki</b>, Minister of Education of Egypt</li> <li>• <b>Carrelle Toho Aclassato</b>, Vice-President of the Regulatory Authority of Electronic Communications and Post of Benin (TBC)</li> <li>• <b>Mariana Costa</b>, CEO and Co-founder, Laboratoria, Peru</li> <li>• <b>Susan Schorr</b>, Head of Digital Inclusion Division, ITU</li> </ul>
15:25-15:40	COFFEE BREAK	
15:40-17:15	<p><b>SESSION 4: Disruptive innovations for digital skills development in a connected world: A collaborative approach</b></p> <ul style="list-style-type: none"> <li>• Public-private partnerships for digital skills development</li> <li>• Creating the conditions for successful dialogue and partnerships</li> <li>• Success stories and lessons learned</li> </ul>	<p><b>MODERATOR:</b> Marie-Paule Kieny, Research Director, Inserm, France</p> <p><b>SPEAKERS:</b></p> <ul style="list-style-type: none"> <li>• <b>H.E. Denitsa Sacheva</b>, Vice-Minister of Education and Science of Bulgaria</li> <li>• <b>Keith Krueger</b>, CEO, CoSN- Consortium for School Networking, United States</li> <li>• <b>Ram Sewak Sharma</b>, Chairman, Telecom Regulatory Authority of India (TRAI), India</li> <li>• <b>Eric Loeb</b>, Senior Vice-President, International External and Regulatory Affairs, AT &amp;T, United States</li> </ul>
17:15-17:30	<p><b>Concluding remarks</b></p>	<p><b>MODERATOR:</b> Francesc Pedró, Chief, Education Policy, UNESCO</p> <ul style="list-style-type: none"> <li>• <b>Kemal Huseinovic</b>, Chief of Infrastructure Enabling Environments and E-Applications, ITU</li> <li>• <b>David Atchoarena</b>, Director, Division for Policies and Lifelong Learning Systems, UNESCO</li> </ul>
10:00-16:00	<p><b>Interactive exhibition</b></p> <p>Presentation on “How to develop digital skills through teaching?”</p> <p>Examples of good practices by the Ministry of Education of France.</p>	<p><b>Salle des pas perdus</b></p>



# Strategy Labs

Friday 30 March 2018

MORNING SESSIONS		
09:30-10:45 (including coffee break from 10:45 to 11:45)	<b>Strategy Lab 1</b> <b>Digital learning infrastructure for scaling up e-skills development</b> ITU and Digital Impact Alliance (DIAL) Moderator: Hani Eskandar, ICT Applications Coordinator, ITU	ROOM 3
	<b>Strategy Lab 2</b> <b>When programming stops being nerdy: Physical computing</b> Micro:bit Educational Foundation, a not-for-profit organization founded by the BBC, ARM, IET and Nominet. Moderator: Kavita Kapoor, Chief Operating Officer, Micro:bit Educational Foundation	ROOM 7
	<b>Strategy Lab 3</b> <b>Implications of Artificial Intelligence (AI) for education</b> UNESCO; Center for Research and Interdisciplinarity – CRI Paris; Smart Learning Institute of Beijing Normal University; NetDragon Websoft; National Engineering Center for Cyberlearning and Intelligent Technology, China; Jožef Stefan Research Institute, Slovenia; Knowledge for All Foundation, UK; The Transformation Society, France-Spain; and Orange Labs, France and BMW Engineering College, India. Moderator: Valtencir Mendes, Project Officer, Unit for ICT in Education, UNESCO	ROOM 8
	<b>Strategy Lab 4</b> <b>ICTs for SDG 4: Planning flagship projects and building partnerships</b> UNESCO, Weidong Group, EUTELSAT, Small Island Developing States (SIDS) initiatives, Southeast Asian Ministers of Education Organization (SEAMEO), and representatives from Cambodia, Croatia, Ethiopia, Guinea, Jamaica, Madagascar, Morocco, Niger, Slovenia, Syrian Arab Republic, Tonga, Uzbekistan. Moderator: Fengchun Miao, Chief of the Unit for ICT in Education, UNESCO	ROOM 6
10:00-13:00	<b>Interactive exhibition</b> Presentation on “How to develop digital skills through teaching?” Examples of good practices by the Ministry of Education of France.	Salle des pas perdus

## Exhibitions

Organizations supporting Mobile Learning Week will showcase new educational technology, content, and research. UNESCO and ITU will also exhibit information about their respective mobile learning programmes. The full exhibition will run from Monday to Wednesday, with some exhibitions lasting until Friday.

**Interactive exhibitions:** Tuesday 27, Wednesday 28, Thursday 29 and Friday 30 March 2018

Date	Title	Organizer	Space
Tuesday, 27 March, 11:00-12:00	Teaching computer science at school, presented by the pupils of the school Henri Wallon of Plessis-Robinson	La main à la pâte	<b>Salle des pas perdus</b>
Wednesday, 28, March 10:00-17:00	A software to introduce the concept of programming, presented by the team of Simplon.co	SIMPLON.CO	
Wednesday, 28, March 14:00-17:00	Robotics demonstration by the robotics club of Meudon	FIRST LEGO League	
Thursday, 29, March 10:00-16:00	How to develop digital skills through teaching? Examples of good practices supported by the Ministry of Education of France	Ministry of Education, France	
Friday, 30 March, 10:00-13:00			

**Stands:** Monday 26, Tuesday 27, Wednesday 28 and Thursday 29 March 2018

Organizer	Space
UNESCO Education Sector	<b>Foyer</b>
International Telecommunication Union (ITU)	
UNESCO Institute for Information Technologies in Education (IITE)	
The UN Refugee Agency (UNHCR)	
Beijing Royal School, China	
Norwegian Agency for Development Cooperation (NORAD), Norway	
Weidong Group	
Ericsson	
Korea Education & Research Information Service (KERIS), Republic of Korea	
Microsoft	
Telefonica	
Nokia	