



# **GLOBAL ICT CAPACITY BUILDING SYMPOSIUM (CBS-2016)**

*Embracing Capacity Building Opportunities in the Digital Era*

**Nairobi, Kenya**

**6-8 September 2016**

**Provisional Programme**

*(Draft of 17 August 2016)*

## WHAT IS CBS?

The ITU Global ICT Capacity Building Symposium (CBS) is the main global event for capacity development in the field of information and communication technology (ICT). The Symposium brings together stakeholders from across the world to discuss trends and developments in the sector and their implications for human and institutional capacity building. CBS initially focused only on matters related to human resources and thus was targeted mainly to human resources practitioners. It has since broadened its scope to embrace human and institutional capacity building, drawing on a global network of expertise from different regions and stakeholders.

### **CBS-2016 Symposium theme: “Embracing capacity building opportunities in the digital era”**

Global leaders have adopted the Sustainable Development Goals (SDGs) as successor to the Millennium Development Goals (MDGs). These goals are to be achieved at a time of major digital technology transformation that will impact the way people live and societies operate. Emerging technologies such as the Internet of Things (IoT) are increasingly becoming a reality. The advent of smart cities and smart societies, as well as the growth of big data, require different sets of knowledge and skills across all sections of society. Governments, industry, universities and other higher education institutions need to invest in, and develop a range of ICT skills, which will not only enable increased participation in the economy, but will ensure the creation of digital citizens for a digital society.

### **Participants**

CBS attracts participants from countries worldwide, as well as from regional and international organisations. Panellists and speakers include high-level officials such as Ministers, Director-Generals of Regulatory Authorities, heads of UN Organisations, CEOs of private sector companies, representatives from Universities and research institutions and other experts in ICT capacity building. Several thought leaders from the academic community are expected to make presentations at the Symposium.

### **Outcomes**

The outcomes of the Symposium will provide strategic guidance to the national and international community, including ITU, on capacity building in the field of ICT, and on strengthening collaboration among the global ICT capacity building community. This will directly contribute to the achievement of the SDGs across all development sectors. For universities and other training providers, the Symposium provides a forum to gauge the needs of the market in terms of training and capacity building in the field of ICT, and helps them shape their training and delivery programmes.

Event registration begins on Sunday, 4 September 2016, at 14:00hrs

## PRE-EVENTS

### MONDAY, 5 SEPTEMBER 2016

#### 09:30 - 12:30 Capacity building in Internet Governance: Stakeholder perspectives

This session brings together ICT professionals and executives from Government ministries, Regulatory Authorities, UN Organisations, private sector companies, Universities and research institutions as well as global and regional bodies dealing with Internet Governance. The event provides a platform for stakeholders to discuss capacity building issues in international Internet Governance and to map out strategies for addressing these. Participants will exchange views based on their diverse experience. In order to enrich discussions, the event will be interactive to give all participants an opportunity to freely contribute to the discussions.

**Moderator:** Dr David Souter, Managing Director, ICT Development Associates

#### Panelists

- Ms Alice Munyua, Board Member, Internet Society (ISOC)
- Ms Anne-Rachel Inné, Vice-President Government Engagement, Internet Corporation for Assigned Names and Numbers (ICANN)
- Dr Katharina Hone, Project Manager and Researcher for Online Learning, Diplo Foundation
- Dr Olga Cavalli, Co-founder and Academic Director, South School on Internet Governance (SSIG)
- Ms Anriette Esterhuysen, Executive Director, Association for Progressive Communications (APC)
- Mr Santiago Reyes-Borda, Senior Policy Advisor, Innovation, Science and Economic Development, Canada

#### 12:30 - 14:00 Lunch Break

#### 14:00 - 16:00 Regulators as enablers and beneficiaries of capacity building

This session discusses capacity building challenges faced by regulators in light of the fast evolving ICT sector that is experiencing the introduction of new technologies at an unprecedented pace. This calls for new and innovative ways of regulation through upgrading of staff skill sets and training.

**Moderator:** Dr Kemal Huseinovic, Chief, Department of Infrastructure, Enabling Environment and E-Applications, ITU

**Panelists**

- Dr Ismail Shah Syed, Chairman, Pakistan Telecommunications Authority, Pakistan
- Professor Umar Danbatta, Executive Vice Chairman, Nigerian Communications Commission, Nigeria
- Ms Nadine Choraó, Executive Secretary, ARCTEL
- Mr Troy Tanner, Deputy Chief of the International Bureau, Federal Communications Commission (FCC)
- Dr Bo Andersson, Chief Economist, Swedish Post and Telecom Authority (PTS)
- Mr Ulf Larsson, Programme Manager, Swedish Programme for ICT in Developing Regions (Spider)
- Speaker from Communications Authority of Kenya

## TUESDAY, 6 SEPTEMBER 2016

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### 09:00 - 09:45 Opening Ceremony

- Mr Francis W. Wangusi, Director General, Communications Authority of Kenya
- Mr Brahim Sanou, Director, Telecommunication Development Bureau, ITU
- H.E. Dr Fred Okengo Matiang'i, Cabinet Secretary for the Ministry of Education, Science and Technology, Republic of Kenya
- H.E. Mr Joseph Mucheru, Cabinet Secretary for the Ministry of Information, Communications and Technology (ICT), Republic of Kenya
- Mr Houlin Zhao, Secretary-General, ITU
- Chief Guest

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### 09:45 - 10:00 Group Photo and Exhibition Official Opening

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### 10:00 - 10:30 Coffee Break

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### 10:30 - 12:00 Ministerial Roundtable: ICTs, Sustainable Development Goals and future priorities for human capacity building

ICTs are key enablers of development and play a crucial role in the attainment of the Sustainable Development Goals (SDGs). Central to this is the competencies of people to use and leverage ICTs effectively. The demand for an ICT-skilled workforce is growing rapidly, and public policy in terms of education systems and vocational training programmes need to keep pace with the challenge. In this session, Ministers of ICT and Education will address policy and strategic considerations related to the role of ICT in human and institutional capacity building and how it impacts sustainable development. Panelists will be expected to make reference to policy priorities, delivery of development programmes, and to share experiences from their own countries, and Agencies.

**Moderator:** Dr Cosmas Zavazava, Chief of Department, Project Support and Knowledge Management, ITU

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### 12:00 - 14:00 Lunch Break

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### 14:00 - 15:30 Leaders Dialogue: Establishing coherence in capacity building

This session brings together Chief Executive Officers from industry, Director Generals of Regulatory Authorities, and representatives of Universities to discuss issues related to national skills policies, industry skills requirements, and the role of academic institutions as providers of skills. The session will also discuss emerging technological opportunities that could contribute to a more informed and equipped workforce. The session seeks to establish a common understanding among different stakeholders from both the demand and supply side of capacity building in the field of ICT, and to draw a set of recommendations to guide countries in taking advantage of emerging technologies for sustainable development.

**Moderator:** Kenya (to be advised)

### **Panelists**

- Dr Gilbert Saggia, Country Managing Director, Oracle Kenya
- Dr Piotr Pluta, Director Corporate Affairs - EMEA, Cisco
- Professor Umar Danbatta, Executive Vice Chairman, Nigerian Communications Commission, Nigeria
- Dr Ismail Shah Syed, Chairman, Pakistan Telecommunications Authority, Pakistan
- Mr Troy Tanner, Deputy Chief of the International Bureau, Federal Communications Commission (FCC)
- Mr Aldo Mareuse, Chief Executive Officer, Telkom Kenya
- Ms Kerstin Borglin, Director, Swedish Programme for ICT in Developing Regions (Spider)
- Mr Gabriel Solomon, Chairman, United Kingdom Telecommunications Academy (UKTA)

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**15:30 - 16:00** Coffee Break

**16:00 - 17:00** **Coping with new skills requirements in a changing ICT environment**

Today's digital economy is driven by technological innovation. The business community leads in the development of technologies, including Over the Top technologies, Internet of Things (IoT), big data, wearables, mobile applications, and the cloud. This session discusses the skills required for companies to turn the emerging technologies into business opportunities and creating new jobs, as well as the capacity building challenges arising from these new jobs. The session is conducted through sharing of case studies on successful innovation programmes and initiatives.

**Moderator:** Mr Andrew Rugege, Regional Director for Africa, ITU

### **Panelists**

- Mr Wikus Van der Merwe, Managing Director, HCBS ICT Learning Academy
- Mr David Bunei, General Manager for East Africa, Cisco
- Dr Julius Ogony, Senior Council Member, Computer Society of Kenya (CSK) and World Information Technology and Services Alliance (WITSA)
- Ms Annie Gladding, Global Education Specialist, INTEL Corporation
- Professor Antoine B. Bagula, Senior Associate, Abdus Salam International Centre for Theoretical Physics (ICTP)

## WEDNESDAY, 07 SEPTEMBER 2016

### 09:00 - 10:30 **University without walls: Exploring new ways of learning in a digital era**

This session examines the transformational changes that have taken place within the learning landscape due to ICT developments, and how these changes impact the existing theories, types and styles of learning and knowledge dissemination. The session discusses learning methodologies such as online learning, face to face learning and presents opportunities available in the digital era, such as massive open online courses (MOOCs), social media tools, and challenges associated with them. The session will seek to answer a number of questions such as: Is the market and industry ready to embrace the digital delivery of education and training?

**Moderator:** Dr David Souter, Managing Director, ICT Development Associates

#### **Panelists**

- Dr Maria Garrido, Research Assistant Professor, Technology & Social Change Group (TASCHA), University of Washington
- Ms Ronda Zelezny Green, Senior Digital Learning & Training Manager, GSMA
- Ms Lucienne Abrahams, Director and Senior Lecturer, Link Centre, Wits University

### 10:30 - 11:00 **Coffee break**

### 11:00 - 12:30 **In search of excellence: ITU Centres of Excellence model**

The ITU has a global network of Centres of Excellence that provides training in a range of ICT disciplines under the umbrella of the ITU Academy. In this session, selected ITU Centres of Excellence from all regions showcase their success stories and share their capacity building models and best practices. What are the lessons learnt so far, and what are the possible future opportunities of growing this successful brand?

**Moderator:** Dr Cosmas Zavazava, Chief of Department, Project Support and Knowledge Management, ITU

#### **Panelists**

- Dr Ikechukwu Adinde, CEO, Digital Bridge Institute, Nigeria
- Ms Kalaya Chinatiworn, Director of International Organizations Group, Ministry of ICT, Thailand
- Mr Mario Ferreira, Continuing Education Associate Manager, Instituto Nacional de Telecomunicações, Brazil
- Ms Liu Xiaohong, Department Manager of China Telecommunication Technology Labs, China Academy of Information and Communications Technology (CAICT)
- Professor Juan Pablo Martín, Facultad Regional San Nicolás, Universidad Tecnológica Nacional, Argentina
- Dr Jaroslav Burčík, Head, ITU Centre of excellence for cybersecurity

- Mr Santiago Reyes-Borda, Senior Policy Advisor, Innovation, Science and Economic Development, Canada

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**12:30 - 14:00** Lunch Break

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**14:00 – 15:30** A dialogue with capacity building champions from the academic community

The session brings together representatives from Universities and other higher education and research institutions to discuss the central role they play as champions of capacity building and trail-blazers in introducing smart approaches in capacity building using hi-tech innovations. Universities involved in innovative work in the area of research and development related to emerging technologies (e.g. smart cities, smart societies, Internet of Things) will present their work. In particular they will demonstrate how Universities collaborate with industry, especially the private sector, to drive innovation and produce both products and graduates that fit the needs of the market.

**Moderator:** Dr Kemal Huseinovic, Chief, Department of Infrastructure, Enabling Environment and E-Applications, ITU

**Panelists**

- Dr Andres Navarro Cadavid, Professor, Universidad Icesi, Colombia
- Dr Katharina Hone, Project Manager and Researcher for Online Learning, Diplo Foundation
- Dr Oliver Holland, Research Fellow, Centre for Telecommunications Research, King's College London
- Professor Roberto Rossi, Academic Vice Rector, Universidad Blas Pascal, Argentina
- Ms Belinda Exelby, Head of International Relations, GSMA

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**15:30 - 16:00** Coffee break

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**16:00 - 17:00** A new digital generation: Young innovators

This session brings together young people from all over the world whose technological innovations contribute to capacity building leading to socio-economic development. The young innovators present their ideas, ICT innovations and the impact these innovations have in the delivery of education and training, as well as the contributions they make to capacity building.

**Panelists**

- Ms Ilana Milkes, Founder and CEO, World Tech Makers
- Mr Pratik Marwah, Co-Founder and COO, iAugmentor Labs
- Ms Katarina Stensson, Team leader, L:ara
- Mr Cornelius Wafula, Founder, Easyprep

**17:00 – 18:00** Visit to exhibition stands: presentations and networking opportunities



## THURSDAY, 08 SEPTEMBER 2016

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### 09:00 - 10:30 Celebrating resilient and successful capacity building partnerships

This session will feature successful partnerships for capacity building that have been forged by ITU and other organizations. ITU partners will share testimonials relating to initiatives and activities jointly implemented with ITU and the impact these initiatives have had on individuals, countries and regions.

**Moderator:** Dr Cosmas Zavazava, Chief of Department, Project Support and Knowledge Management, ITU

#### Panelists

- Dr Piotr Pluta, Director Corporate Affairs - EMEA, Cisco
- Mr Jamal Anderson, Curriculum Coordinator, United States Telecommunications Training Institute (USTTI)
- Mr Gabriel Solomon, Chairman, UKTA

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### 10:30 - 11:00 Coffee Break

11:00 - 12:00 Presentation of Awards

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### 12:00 – 14:00 Lunch Break

14:00 – 14:45 Roundup of Symposium: Conclusions and recommendations

14:45 – 15:00 Closing Ceremony