



**WITFOR 2016**  
**World Information Technology Forum**  
 September 12th - 14th, 2016

**PROGRAM**

Sunday September 11			
4:00 p. m.	Registration (lobby 3rd floor)		
6:00 p. m.			
Monday September 12			
7:30 a. m.	Registration (lobby 3rd floor)		
	<b>Room Don Augusto 3rd floor</b>		<b>Room Aurola A 3rd floor</b>
9:00 a. m.	<b>Keynote speech Erick Mata Instituto Tecnológico de Costa Rica</b>		
10:00 a. m.	<b>Coffee break</b>		
10:30 a. m.		Progressing toward Digital Equity, <i>Ramon Puigjaner</i>	Labor@Enterprises, <i>Elena Carreras and Andrea Villalobos</i>
11:00 a. m.		Telecentres for the Future in Tea Estates of Sri Lanka, <i>Sirkku Männikkö-Barbutiu, Thomas Westin, Ranil Peiris and Peter Mozelius</i>	Information Strategic Planning for the Development of the Health Navigator for DIY Health Management in the Future Health Service, <i>Jeongeun Kim, Jisan Lee, and Ahjung Byun</i>
11:30 a. m.	<b>Paper presentations on Digital Equity Leon Strous, chair</b>	Mobile Internet Tariff Models: Technical or Political Decisions? A Costa Rican Case Study, <i>Alexander Castro-Reyes and Gabriela Marín-Raventós</i>	<b>Demo presentations Jose Aguilar, chair</b>
12:00 p. m.		guifi.net: A Bottom-Up Initiative for Building Free Telecommunication Infrastructure, <i>Miguel Pérez, Pablo Boronat, José A. Gil and Ana Pont</i>	Methodological Strategies for Increased Integration of Women into the Digital Technologies Sector, <i>Kemly Camacho and Isabel Rojas Córdoba</i>
12:00 p. m.			Student Empowerment strategies in Three ICT Education Projects, <i>Natalia Zamora Bregstein and Nella García Jiménez</i>
12:30 p. m.	<b>Lunch</b>		

	<b>Room Don Augusto 3rd floor</b>		<b>Room Aurora A 3rd floor</b>
2:00 p. m.		ICT and Citizen Efficacy: The Role of Civic Technology in Facilitating Government Accountability and Citizen Confidence, <i>Rebecca Rumbul</i>	<p align="center"><b>Panel on Education 2030</b>  <i>Sindre Røvsik</i> , moderator  <i>Bernard Cornu</i>  <i>Leda Muñoz</i>  <i>Valentina Dagiene</i>  <i>Raymond Morel</i></p>
2:30 p. m.	<p align="center"><b>Paper presentations on E- Government and Smart Cities</b> <i>Ana Pont</i> , chair</p>	Promoting Quality E- government Solutions by Applying a Comprehensive Information Assurance Model: Use Cases for Digital Signature, <i>Ricardo Villalon, Alejandro Mora, Rodrigo Bartels, Miguel Carballo and Gabriela Marín</i>	
3:00 p. m.		Emergence and Ubiquity in the Smart Cities, <i>Jose Aguilar</i>	
3:30 p. m.			
4:00 p. m.	<b>Coffee break</b>		
4:30 p. m.	<p align="center"><b>Keynote speech</b>  <i>Robert Atkinson</i>  <b>Information Technology &amp; Innovation Foundation, U.S.A.</b></p>		
5:30 p. m.			
6:00 p. m.	<p align="center"><b>Inauguration</b></p>		
7:30 p. m.	<b>Welcome cocktail</b>		
9:00 p. m.			

Tuesday September 13						
	Room Don Augusto				Room Aurola A	
9:00 a. m.	<b>Keynote speech</b> <b>Malcom Johnson</b> <b>International Telecommunication Union</b>					
10:00 a. m.	<b>Coffee break</b>					
10:30 a. m.		Challenge to Promote Deep Understanding in ICT, <i>Valentina Dagiene</i>			GreenCloud: A Web Platform for Calculating the Greenhouse Gas Protocol (GHG Protocol) and to achieve the Neutral Carbon Verification (ISO 14064-1:20016), <i>Juan Claudio de Oliva</i>	
11:00 a. m.	<b>Paper presentations on Education</b> <i>Sindre Røvsik</i> , chair	Computer Animation as a Vehicle for Teaching Computational Thinking, <i>Leonel Morales Díaz and Laura Gaytán-Lugo</i>		<b>Demo presentations</b> <i>Ramon Puigjaner</i> , chair	Den3D: A Ludic 3D Visualization and Learning Tool for Biological Taxonomies, <i>Lilliana Sancho-Chavarría and Erick Mata-Montero</i>	
11:30 a. m.		Transforming Low Socioeconomic Status Schools to Learning for Well-being Schools, <i>Heilyn Camacho</i>			Automatic Sign Language Recognition Using Natural User Interfaces, <i>Luis Quesada and Luis Guerrero</i>	
12:00 p. m.		Transformative Applications of ICT in Education: The Case of Botswana expansive School Transformation (BeST) Project, <i>Paul Nleya</i>			Land Use Change Monitoring Tied to Tenancy, <i>Kifah Sasa</i>	
12:30 p. m.		<b>Lunch</b>				
2:00 p. m.	<b>Keynote speech</b> <b>Alicia Bárcena</b> <b>Economic Commission for Latin America and the Caribbean</b>					
3:00 p. m.	<b>Coffee break</b>					

	<b>Room Don Augusto 3rd floor</b>		<b>Room Aurora A 3rd floor</b>	
3:30 p. m.	<b>Paper presentations on Economic Development and Infrastructure</b> <i>Chrisianthi Avgerou</i> , chair	Can E-Commerce Provide a Solution to the Coffee Paradox? : The Case of Costa Rica, <i>Francisco J. Mata, Ariella Quesada and Gabriela Mata-Marin</i>	<b>Paper presentations on Health</b> <i>Jeongeun Kim</i> , chair	Identification of Design Patterns for Serious Games in an Educational Videogame Designed to Create Awareness on Dengue and Malaria Fever, <i>Eduardo Ramirez Elizondo</i>
4:00 p. m.		Innovation and Governance: The Role of Sharing Economy, <i>Elia Brugnoli, Alberto Polzonetti and Matteo Sagratella</i>		A Community Assets Infrastructure for the Secure Use of Mobile Computing Devices in the Rural Health Landscape, <i>Kevin Kativu and Dalenca Pottas</i>
4:30 p. m.		e-Bridge 3.0: A Strategic Approach to Structural Health Monitoring of Bridges in Costa Rica, <i>Cesar Garita and Giannina Ortiz</i>		<b>Panel on Digital Equity</b> <i>Ramon Puigjaner</i> , moderator <i>Jose Aguilar</i> <i>Paul Nleya</i> <i>Kai Rannenber</i>
5:00 p. m.				
6:00 p. m.				
6:30 p. m.				
7:30 p. m.				
9:30 p. m.	<b>Gala dinner</b>			

Wednesday September 14		
	<b>Room Don Augusto 3rd floor</b>	
9:00 a. m.	<b>Keynote speech</b> <i>David Randolph Hoelscher</i> <b>Huawei</b>	
10:00 a. m.	<b>Coffee break</b>	
10:30 a. m.	<b>Paper presentations on Sustainability and Environment</b> <i>Yuko Murayama</i> , chair	The role ICT to achieve the UN Sustainable Development Goals (SDG), <i>A Min Tjoa and Simon Tjoa</i>
11:00 a. m.		Principles for Re-Designing Information Systems for Environmental Sustainability, <i>Jan Pries-Heje, Richard Baskerville and Jan Recker</i>
11:30 a. m.		Automated Plant Species Identification: Challenges and Opportunities, <i>Erick Mata-Montero and Jose Carranza-Rojas</i>
12:00 p. m.		Environment Monitoring using Commercial Off-the-Shelf (COTS) Technologies. A Case Study of the Odd-Even Rule for Pollution Control in Delhi, <i>Vikas Nath and Artash Nath</i>
12:30 p. m.	<b>Lunch</b>	

<b>Room Don Augusto 3rd floor</b>	
2:00 p. m.	<p><b>Paper presentations on Gender</b> <i>A Min Tjoa</i> , chair</p> <p>Typifying Mechanisms for Gender Digital Equity in Latin America, <i>Gabriela Marín-Raventós and Marta Calderón-Campos</i></p>
2:30 p. m.	<p><b>Panel on Bioliteracy for the XXI Century: Empowering Citizens with Information Technologies to Cope with the Challenges of Biodiversity Conservation</b> <i>Erick Mata</i> , moderator <i>Natalia Zamora</i> <i>Manuel Vargas</i> <i>Miguel Fuentes</i> <i>Álvaro Cubero</i></p>
3:00 p. m.	
3:30 p. m.	
4:00 p. m.	<b>Coffee break</b>
4:30 p. m.	<p><b>Keynote speech</b> <i>Chrisianthi Avgerou</i> London School of Economics and Political Sciences, UK</p>
5:30 p. m.	<b>Closing</b>
6:00 p. m.	