Ginebra, 16 de marzo de 2016

Ref:	**CL-16/014** **TSB/AM**	- A las Administraciones de los Estados Miembros; - A los Miembros de Sector del UIT, los Asociados del UIT-T, las Instituciones Académicas y las organizaciones internacionales, regionales y nacionales pertinentes
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Asunto:	**Caleidoscopio de la UIT 2016 "TIC para un mundo sostenible"** **Bangkok (Tailandia), 14-16 de noviembre de 2016**	

Estimado(a) Señor(a):

1   Como parte de los eventos Caleidoscopio, una iniciativa de la UIT para fomentar la cooperación con las Instituciones Académicas y los centros de investigación, me complace informarle acerca de la octava serie de conferencias que tratan de identificar los acontecimientos emergentes en las tecnologías de la información y la comunicación (TIC) y, especialmente, las áreas que requieren de normas internacionales para apoyar el desarrollo de productos y servicios que tengan éxito. Caleidoscopio 2016 "TIC para un mundo sostenible" tendrá lugar junto con ITU Telecom World 2016, en Bangkok (Tailandia), del 14 al 16 de noviembre de 2016.

2   Las TIC son omnipresentes. Se aplican como tecnologías habilitadoras en los procesos empresariales de la práctica totalidad de los sectores de la industria y la sociedad, y es evidente que desempeñarán un papel esencial como tecnologías habilitadoras para lograr la sostenibilidad social, medioambiental y económica.

3   La octava conferencia Caleidoscopio solicita ponencias de investigación que presenten investigaciones relativas a las evoluciones técnicas de las TIC, las aplicaciones de TIC innovadoras o las consideraciones políticas o reglamentarias pertinentes para apoyar el logro de los Objetivos de Desarrollo Sostenible (ODS) y, en particular, cómo las normas internacionales de TIC proporcionarán la plataforma para que dicha innovación alcance sus metas a escala mundial. El texto íntegro de la solicitud de ponencias figura en el **Anexo 1**. Se invita a presentar las ponencias hasta el **20 de junio de 2016**.

4   La participación está abierta a los Estados Miembros, a los Miembros de Sector, a los Asociados y a las Instituciones Académicas de la UIT, y a cualquier persona de un país que sea miembro de la UIT y desee contribuir a los trabajos. Esto incluye a las personas que también sean miembros de organizaciones nacionales, regionales e internacionales. La participación en el taller es gratuita pero no se otorgará ninguna beca.

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5   Alentamos a todos los Miembros de la UIT a promover estos eventos entre la comunidad académica de sus países.

6   En la página web del evento (http://itu.int/go/K-2016) se irá facilitando información detallada relativa a la inscripción y la logística a medida que se vaya aproximando la fecha de la conferencia. **Rogamos tengan presente que la preinscripción de los participantes en los talleres se efectúa exclusivamente *en línea*.**

7   Le recordamos que los ciudadanos procedentes de ciertos países necesitan visado para entrar y permanecer en Tailandia. Cuando así sea, dicho visado debe solicitarse y obtenerse en la oficina (embajada o consulado) que representa a Tailandia en su país o, en su defecto, en la más próxima a su país de partida. Se ruega a los participantes que requieran la asistencia del país anfitrión para obtener un visado de entrada que consulten la página web del Caleidoscopio en la dirección http://itu.int/go/K-2016. La información se publicará tan pronto esté disponible.

Atentamente,

[firmado]

Houlin Zhao
Secretario General

Anexo: 1

ANNEX 1
(to CL-16/014)
ICTs for a Sustainable World
The 8th ITU Kaleidoscope academic conference
Bangkok, Thailand, 14-16 November 2016

Call for Papers

Kaleidoscope 2016: ICTs for a Sustainable World is the eighth in a series of peer-reviewed academic conferences organized by ITU to bring together a wide range of views from universities, industry and research institutions. The aim of the Kaleidoscope conferences is to identify emerging developments in information and communication technologies (ICTs) and, in particular, areas in need of international standards to aid the healthy development of the Information Society.

Preamble

In 2015, the United Nations agreed a new global development agenda, "*Transforming our World: The 2030 Agenda for Sustainable Development*". The comprehensive set of 17 Sustainable Development Goals (SDGs - https://sustainabledevelopment.un.org/sdgs), and the 169 Targets within, will stimulate action over the next fifteen years in areas of critical importance to humanity and our planet. The SDGs do not only replace the Millennium Development Goals (MDGs), but also build on them, making them more "*integrated and indivisible, global in nature and universally applicable*". While the MDGs focused on poverty eradication, education and health goals for developing countries, the SDGs cover economic, social and environmental pillars of sustainable development to be applicable to ALL countries.

The Agenda recognizes that "*the spread of information and communication technology and global interconnectedness has great potential to accelerate human progress, to bridge the digital divide and to develop knowledge societies, as does scientific and technological innovation across areas as diverse as medicine and energy.*"

Theme

ICTs have great potential to improve development outcomes in both developing and developed countries by increasing the sustainability of the processes underlying social and economic activity.

The cross-cutting application of ICTs has popularized terms such as e-governance, e-health, e-learning, e-commerce, mobile money, smart grid, smart water management, smart agriculture, intelligent transport systems, smart sustainable cities, and more. Big data and advancing data analytics techniques will help us to draw useful information from the vast seas of data generated by the ICT-enabled systems that now support nearly every aspect of business and daily life.

ICTs are omnipresent. They are applied as enabling technologies in the business processes of virtually all sectors of industry and society, and it is clear that they will play an essential role as enabling technologies in achieving social, environmental and economic sustainability.

The SDGs call for every industry sector to innovate in the interests of sustainable development. Innovations will be plentiful, multifaceted and tailored to context, but all innovators are looking to ICTs to form part of their portfolio of sustainability measures.

Kaleidoscope 2016 will highlight research into ICT developments capable of supporting the broad spectrum of innovation required to achieve the SDGs, and in particular how international ICT standards will provide the platform for this innovation to achieve its aims on a global scale.

Objective

The eighth Kaleidoscope conference calls for academic papers presenting research into ICT technical developments, innovative ICT applications or policy and regulatory considerations relevant to supporting the achievement of the SDGs.

Audience

Kaleidoscope 2016 targets specialists in the fields of ICT and socio-economic development, including researchers, academics, students, engineers, policymakers, regulators, innovators and futurists.

Date and venue

14-16 November 2016, in conjunction with ITU Telecom World in Bangkok, Thailand (14-17 November 2016 - http://telecomworld.itu.int/).

Submission of papers

Prospective authors from ITU Member States are invited to submit full, original papers with a maximum length of eight pages. The submission should be within eight pages, including a summary and references, using the template available on the event website. All papers will go through a double-blind peer-review process. Submission must be made electronically; see http://itu.int/go/K-2016 for more details on online submission (EDAS). Paper proposals will be evaluated according to content, originality, clarity, relevance to the conference's theme and, in particular, significance to future standards.

Deadlines

Submission of full paper proposals: ***20 June 2016***
Notification of paper acceptance: ***19 September 2016***
Submission of camera-ready accepted papers: ***7 October 2016***

Publication and presentation

Accepted and presented papers will be published in the Conference Proceedings. In addition, extended versions of selected papers will be considered for publication in the *International Journal of Technology Marketing*, the *International Journal of Standardization Research,* or *the Journal of ICT Standardization.*

Awards

A prize fund totaling CHF 6,000 will be shared among the authors of the three best papers, as judged by the Steering and Technical Programme Committees. In addition, young authors of up to 30 years of age presenting accepted papers will receive Young Author Recognition certificates.

Keywords

Information and Communication Technologies (ICTs), standards, standardization, technological innovation, information society, converging technologies, ubiquitous networks, internet of things (IoT), machine to machine (M2M), e-applications, trustworthiness, security, privacy, reliability, smart grid, green IT, mobile banking services, radio spectrum, ethics, sustainability, development, human-oriented technologies, environment, equality, inclusiveness.

Suggested (non-exclusive) list of topics

Track 1: **Technology, network infrastructure and architecture evolution** **SDG 9**: Industry, innovation and infrastructure **SDG 12**: Responsible consumption and production	- Use of 5G system and sensory networks to manage natural and human-built systems - Environmental actuators and sensors - Security-, privacy-, and trust-enhancing technologies - Software-defined everything in a multi-vendor market - Architecture for machine-oriented communications such as M2M, IoT, sensor networks - Quality of service, quality of experience, performance - Protocol architecture convergence and interoperability - Disaster relief systems, network resilience and recovery - Optical and wireless communication convergence systems - Architecture considerations for seamless mobility - Green-power networks and intelligent grids - Long-distance and ultra-high-speed transmission network systems (terabit, exabit)

	• Mobility and nomadicity • Nanonetworks • ICT in waste reuse and disposal • Vehicle and infrastructure convergence • Energy consumption and the cloud • Infrastructures for e-mobility
Track 2: **ICT applications and services for sustainable development** **SDG 3**: Good health and well-being **SDG 6**: Clean water and sanitation **SDG 7**: Affordable and clean energy **SDG 11**: Sustainable cities and communities **SDG 14**: Life below water	• E-services • Internet of Things (IoT) • ICT and road management systems • Automated vehicles and vehicle communications • Multimedia coding • Digital financial services (e.g., mobile money and mobile payments) • Big data analytics and quality assessment of sustainable development • Effect of cloud computing services on the environment • Green applications of robots and drones • Innovative applications and content delivery (IPTV, games, etc.) • Ageing and ambient assistive living • Over-the-top (OTT) services • ICT support of smart homes and cities • The smart grid
Track 3: **Social, economic, environmental and policy aspects of ICT for sustainable development** **SDG 4**: Quality education **SDG 5**: Gender equality **SDG 8**: Decent work and economic growth **SDG 13**: Climate action **SDG 17**: Partnership for the goals	• Economic models and the role of ICT in sustainable development • Intellectual property rights • Conformance and interoperability aspects • Inclusiveness, affordability and equal access • Strategies for integrating sustainable development into standardization and international public policy • Network neutrality • Regulation • Accessibility and usability • Digital rights and identity management • Engineering education about sustainable development and standardization. • ICT to support environmental standards • Standards and regulations for ICT energy consumption

Steering Committee

Christoph Dosch (ITU-R Study Group 6 Vice-Chairman; IRT GmbH, Germany)
Kai Jakobs (RWTH Aachen University, Germany)
Takuro Sato (Waseda University, Japan)
Mostafa Hashem Sherif (AT&T, USA)

Technical Programme Committee

Chairman: Kai Jakobs (RWTH Aachen University, Germany)

The Technical Programme Committee is composed of over 100 subject-matter experts. Details will be available shortly at http://itu.int/en/ITU-T/academia/kaleidoscope/2016/Pages/progcom.aspx.

Additional information

For additional information, please visit the conference website: http://itu.int/go/K-2016.
Inquiries should be addressed to Alessia Magliarditi, ITU, Switzerland, at kaleidoscope@itu.int.

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