



Le Secrétariat général (SG)

Genève, le 16 mars 2016

Réf.: **CL-16/014**
TSB/AM

- Aux administrations des Etats Membres de l'Union;
- Aux Membres des Secteurs de l'UIT, Associés de l'UIT-T, établissements universitaires participant aux travaux de l'UIT-T et organisations internationales, régionales et nationales concernées

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Sujet: **Manifestation multidisciplinaire Kaléidoscope 2016 – "Les TIC pour un monde durable" Bangkok (Thaïlande), 14-16 novembre 2016**

Madame, Monsieur,

1 Dans le cadre des manifestations multidisciplinaires Kaléidoscope, initiative de l'UIT visant à accroître la coopération avec les milieux universitaires et les instituts de recherche, j'ai l'honneur de vous informer de la tenue d'une huitième manifestation sous la forme d'une série de conférences universitaires tournées vers l'avenir, dont l'objectif est de repérer les nouveautés qui se font jour dans le secteur des technologies de l'information et de la communication (TIC) et, en particulier, les domaines dans lesquels des normes internationales sont nécessaires pour faciliter l'élaboration de produits et services efficaces. La conférence Kaléidoscope 2016, sur le thème "Les TIC pour un monde durable" aura lieu, en association avec ITU Telecom 2016, à Bangkok (Thaïlande), du 14 au 16 novembre 2016.

2 Les TIC sont omniprésentes. Elles sont utilisées pour soutenir les processus économiques dans presque toutes les branches de l'industrie et de la société, et il ne fait pas de doute qu'elles seront amenées à jouer un rôle essentiel au service de la durabilité sociale, environnementale et économique.

3 Il est demandé aux universitaires, dans le cadre de la huitième Conférence Kaléidoscope 2016, de présenter des communications relatives aux recherches sur les avancées techniques dans le domaine des TIC, les applications TIC innovantes ou les considérations de politique et de réglementation à l'appui de la réalisation des Objectifs de Développement Durable (ODD) fixés par les Nations Unies, et en particulier de réfléchir à la façon dont ces innovations reposeront sur les normes TIC internationales, pour parvenir aux résultats voulus à l'échelle mondiale. On trouvera dans l'**Annexe 1** le texte intégral de l'appel à contributions, qui devront être soumises avant le **20 juin 2016**.

4 La participation à la manifestation est ouverte aux Etats Membres de l'UIT, aux Membres de Secteur et aux Associés de l'UIT ainsi qu'aux établissements universitaires et à toute personne issue d'un Etat Membre de l'UIT qui souhaite contribuer aux travaux. Il peut s'agir de personnes qui sont aussi membres d'organisations internationales, régionales ou nationales. La participation à la manifestation est gratuite et aucune bourse ne sera accordée.

5 Nous encourageons tous les membres de l'UIT à faire connaître ces manifestations aux membres de la communauté universitaire de leurs pays respectifs.

6 Des informations détaillées sur l'inscription et les dispositions pratiques seront affichées sur la page web de la manifestation: <http://itu.int/go/K-2016> à l'approche de la conférence. **Veillez noter que l'inscription préalable des participants à la manifestation s'effectuera exclusivement en ligne.**

7 Nous vous rappelons que, pour les ressortissants de certains pays, l'entrée et le séjour en Thaïlande sont soumis à l'obtention d'un visa. Ce visa doit être demandé et obtenu auprès de la représentation de la Thaïlande dans votre pays (ambassade ou consulat) ou, à défaut, dans le pays le plus proche de votre pays de départ. Les participants qui ont besoin de recevoir une assistance du pays hôte pour obtenir un visa d'entrée sont priés de consulter la page web de la manifestation à l'adresse suivante: <http://itu.int/go/K-2016>. Des renseignements y seront publiés dès qu'ils seront disponibles.

Veillez agréer, Madame, Monsieur, l'assurance de ma considération distinguée.

[signé]

Houlin Zhao
Secrétaire général

Annexe: 1

ANNEX 1

(to CL-16/014)

ICTs for a Sustainable WorldThe 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

<p>Track 1: Technology, network infrastructure and architecture evolution</p> <p>SDG 9: Industry, innovation and infrastructure SDG 12: Responsible consumption and production</p>	<ul style="list-style-type: none"> • 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)
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	<ul style="list-style-type: none"> • Mobility and nomadicity • Nanonetworks • ICT in waste reuse and disposal • Vehicle and infrastructure convergence • Energy consumption and the cloud • Infrastructures for e-mobility
<p>Track 2: ICT applications and services for sustainable development</p> <p>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</p>	<ul style="list-style-type: none"> • 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
<p>Track 3: Social, economic, environmental and policy aspects of ICT for sustainable development</p> <p>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</p>	<ul style="list-style-type: none"> • 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>.

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