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– 致国际电联各成员国主管部门；
– 致ITU-T部门成员、部门准成员、学术成员和相关区域性组织与国际组织

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事由： **2016年国际电联大视野会议活动 – 为可持续世界提供信息通信技术（ICT）**
2016年11月14-16日，泰国曼谷

尊敬的先生/女士，

1　　　大视野会议活动是国际电联为增进与学术界和研究机构的合作而开展的举措。我高兴地向您通报，将第八次举办这一具有前瞻性的系列学术大会，这是该举措的一部分，目的在于确定信息通信技术（ICT）的新兴发展状况，尤其是那些需要国际标准来支持成功产品和业务开发的领域。2016年以"为可持续世界提供信息通信技术（ICT）"为主题的大视野会议活动将于2016年11月14-16日在泰国曼谷结合国际电联2016年世界电信展举办。

2　　　信息通信技术（ICT）无处不在。它们作为推动型技术在几乎所有行业的业务进程与社会的方方面面得到应用。显然，它们在实现社会、环境和经济可持续方面发挥着关键作用。

3　　　第八次大视野大会呼吁各方提交的论文能够介绍如何将研究转化为ICT技术发展、创新型ICT应用，或是与支持实现联合国可持续发展目标（SDG）相关的政策与监管考虑，而且尤其能阐明国际ICT标准如何能为此类创新提供平台，从而在全球范围内实现其目的。论文征集函全文见**附件1**。论文提交截止日期为**2016年6月20日**。

4　　　国际电联成员国、部门成员、部门准成员和学术成员以及愿参加此工作的来自国际电联成员国的任何个人均可参加。这里所指的"个人"亦包括作为国际、区域和国家组织成员的个人。讲习班不收取任何费用，但亦不发放与会补贴。

5　　　我们鼓励所有国际电联成员均在各自国家的学术界推广这些活动。

6　　　　大会临近时，将在该大型活动的网页上提供有关注册和会议后勤服务方面的详尽信息：http://itu.int/go/K-2016。**请注意，此大型活动参与者的预注册完全以在线方式进行。**

7　　　　我们谨在此提醒您，一些国家的公民需要获得签证才能入境泰国并逗留。在此情况下，需要向驻贵国的泰国代表机构（使馆或领事馆）申领签证。如贵国没有此类机构，则请向驻离出发国最近国家的此类机构申领。需要东道国帮助申办入境签证的与会者，请查询大视野会议活动网页http://itu.int/go/K-2016。信息将尽快发布。

顺致敬意！

[原件已签]

秘书长
赵厚麟

附件：1件

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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