



## The Secretary-General

Geneva, 16 March 2015

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TSB/AM

- To Administrations of ITU Member States;
- To ITU Sector Members, Associates, Academia and relevant international, regional and national organizations

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### **Subject: ITU Kaleidoscope 2015 – Trust in the Information Society**

Dear Sir/Madam,

1 As part of the Kaleidoscope events, an ITU initiative to increase cooperation with academia and research institutions, I am pleased to inform you about the seventh in a series of forward looking academic conferences that aim at identifying emerging developments in information and communication technologies (ICTs) and, in particular, areas in need of international standards to support the development of successful products and services. Kaleidoscope 2015 "Trust in the Information Society" will take place at the Universitat Autònoma de Barcelona, Barcelona, Spain 9-11 December 2015.

2 The conference will analyze means of building information infrastructures deserving our trust. The event will highlight ideas and research that will help ensure the Information Society's growth in inclusivity and sustainability thanks to its trusted foundations. ICT is the common thread tying together all walks of life. It is at the heart of innovation in areas as diverse as energy management, transportation, healthcare, education and financial services, and 'always-on' network access has been a welcome driver of economic growth and social development.

3 Kaleidoscope 2015 calls for research papers offering bold, innovative approaches to research into and development of standardized platforms for the benefit of all, in particular underserved communities and citizens of developing countries. A key point will be the identification of the main challenges still to be addressed to develop standards supporting the development of trustworthy information infrastructures. The full text of the call for papers may be found in **Annex 1**. It invites submissions by **6 July 2015**.

4 The 2015 edition of Kaleidoscope will contribute to the celebration of ITU's 150<sup>th</sup> anniversary, highlighting academia's contribution in service of ITU's mission to 'Connect the World'.

5 Participation is open to ITU Member States, Sector Members, Associates and Academic Institutions and to any individual from a country which is a member of ITU who wishes to contribute to the work. This includes individuals who are also members of international, regional and national organizations. The event is free of charge but no fellowships will be granted.

6 We encourage all ITU members to promote these events within the academic community of their countries.

7 Detailed information concerning registration and logistics will be available at the event's webpage: <http://itu.int/go/K-2015> closer to the date of the conference. **Please note that pre-registration of participants to this event will be carried out exclusively *online*.**

8 We would remind you that citizens of some countries are required to obtain a visa in order to enter and spend time in Spain. Where this is the case, the visa must be requested and obtained from the office (embassy or consulate) representing Spain in your country or, if there is no such office in your country, from the one that is closest to the country of departure. Participants who need support from the host country to obtain an entry visa are requested to check the Kaleidoscope web page at <http://itu.int/go/K-2015>. Information will be published as soon as available.

Yours sincerely,

[signed]

Houlin Zhao

ANNEX 1  
(to Circular 13)

**Trust in the Information Society**

The 7<sup>th</sup> ITU Kaleidoscope academic conference  
9-11 December 2015, Barcelona, Spain

**Call for Papers**

***Kaleidoscope 2015: Trust in the Information Society*** is the seventh 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.

The 'Connect 2020' framework embedded in ITU's Strategic Plan elaborates a guiding vision for the future development of the Information Society, focusing on inclusive and sustainable growth of the ICT ecosystem.

*Kaleidoscope 2015: Trust in the Information Society* will analyze means of building information infrastructures deserving our trust. The event will highlight ideas and research that will help ensure the Information Society's growth in inclusivity and sustainability thanks to its trusted foundations.

ICT is the common thread tying together all walks of life. It is at the heart of innovation in areas as diverse as energy management, transportation, healthcare, education and financial services, and 'always-on' network access has been a welcome driver of economic growth and social development. The ICT ecosystem has become a facility we can no longer do without, making it essential to ensure that users of ICTs may trust in the Information Society.

Concerns continue to grow around what has been dubbed the "darker side" of the Information Society. All industry sectors are expected to deploy technologies under the banner of IoT, and the interconnection of all types of objects – from vehicles to streetlights and household appliances – gives rise to unprecedented implications for data security, the reliability of critical infrastructure and the privacy and safety of the world's citizens. Given the borderless nature of the network, addressing concerns around security is not only a national priority; it is inherently global.

A more comprehensive approach to security is required, taken in a view of the entire digital ecosystem. Kaleidoscope 2015 will provide a platform to analyze the notion of "trust" in the ICT context as well as innovations embedding trust into ICT ecosystems and infrastructures to bring greater certainty, confidence and predictability to our interactions within the Information Society.

*Kaleidoscope 2015: Trust in the Information Society* calls for original research papers offering bold, innovative approaches to the research into and development of standardized platforms for the benefit of all, in particular underserved communities and citizens of developing countries. A key point will be the identification of the main challenges still to be addressed to develop standards supporting the development of trustworthy information infrastructures.

The 2015 edition of Kaleidoscope will contribute to the celebration of ITU's 150<sup>th</sup> anniversary, which will be a tribute to the extraordinary innovation of the global ICT community. The story of ITU is one of international cooperation among governments, industry players, civil society, academia and research institutes. ITU has a proud history as a key platform for the international community to bring cohesion to innovation in the ICT sector, and Kaleidoscope 2015 will celebrate academia's immense contribution in service of ITU's mission to 'Connect the World'.

## Audience

Kaleidoscope 2015 targets specialists in the fields of ICT and socio-economic development, including researchers, academics, students, engineers, policymakers, regulators, innovators and futurists.

## Date and venue

9-11 December 2015, Universitat Autònoma de Barcelona, Barcelona, Spain

## Submission of papers

Prospective authors from ITU Member States are invited to submit full, original papers with a maximum length of 4,500 words. 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-2015> 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: **6 July 2015**

Notification of paper acceptance: **18 September 2015**

Submission of camera-ready accepted papers: **9 October 2015**

## Publication and presentation

Accepted and presented papers will be published in the Conference Proceedings. In addition, updated versions of selected papers will be considered for publication in the [International Journal of Technology Marketing](#), the [International Journal of IT Standards & Standardization Research](#), or the [Journal of ICT Standardization](#).

## Awards

A prize fund totaling USD 10,000 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, trustworthiness, security, privacy, reliability.

## Suggested (non-exclusive) list of topics

### Track 1: Trust in technology and network infrastructure

- Pervasive and trusted platforms and infrastructure
- Virtualization of resources including network functions virtualization and software-defined networking
- Future mobile infrastructure: 5G and beyond
- Architecture considerations for seamless mobility
- Architecture for machine-oriented communications such as M2M, IoT, sensor networks
- Security-, privacy-, and trust-enhancing technologies
- Trustworthy infrastructure for content delivery networks
- Enterprise integration and service-oriented architecture
- Human-centric, cognitive and context-aware systems and functions
- Quality of service, quality of experience, quality of security service
- Protocol architecture convergence and interoperability

**Track 2: Trustworthy applications and services**

- Trust in ubiquitous applications and services: connected vehicles, healthcare, homes, etc.
- Trust in cloud computing
- Privacy, trust and big data
- Trustworthiness in social networking services and social media
- Emerging video services and applications
- Trustworthy location-based services
- Digital financial services
- Artificial intelligence and deep learning
- Augmented and virtual reality
- Robots and drones

**Track 3: Social, economic and policy aspects of trustworthy ICTs**

- Strategies and policies enabling an information society
- Actors, value chains and business models in an information society
- Rights and responsibilities of connected citizens
- Conformance and interoperability aspects
- Deployment strategies and scenarios for trustworthy applications and services in developing countries
- Adoption of ICTs to enhance environmental sustainability
- Inclusiveness, affordability and equal access
- Harmonization strategies for international, regional and national standards and de-facto standards
- Policy issues raised by over-the-top services
- Network neutrality and trustworthiness
- Societal impact of ICTs

**General Chairman:** Pilar Dellunde, Vice-Rector, Universitat Autònoma de Barcelona, Spain

**Steering Committee**

Christoph Dosch, ITU-R Study Group 6 Chairman; IRT GmbH, Germany

Kai Jakobs, RWTH Aachen University, Germany

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**Technical Programme Committee**

**Chairman:** Kai Jakobs, RWTH Aachen University, Germany

The Technical Programme Committee is composed of over 150 subject-matter experts. Details will be available shortly at <http://itu.int/go/K-2015-progcom>

**Additional information**

For additional information, please visit the conference website: <http://itu.int/go/K-2015>

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