



秘书长

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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、区域性组织和  
国际组织

事由： **2015 年国际电联大视野会议活动 – 信息社会中的信任**

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团体和研究机构的合作而开展的举措。我高兴地向您通报，将第 7 次举办前瞻性系列学术大会，将其作为该举措的一部分，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。2015 年题为“信息社会中的信任”的大视野会议活动将于 2015 年 12 月 9-11 日在西班牙巴塞罗那的巴塞罗那自治大学举办。

2 大会将分析值得我们信任的建设信息基础设施的手段。活动将突出强调那些能够在可信任的基础上，帮助确保信息社会在包容性和可持续性方面成长的理念和研究。信息通信技术（ICT）是连接社会各行各业的纽带。在能源管理、运输、卫生保健、教育和金融服务等极为不同的领域，它都是创新的核心，而且“永远在线”网络接入已成为广受欢迎的经济增长与社会发展驱动力。

3 2015 年大视野会议活动呼吁各方提供有关大胆创新方法的研究论文，深入了解和开发全民均可受益的标准化平台，尤其针对服务欠缺的社区和发展中国家的公民。重要的一点是，确定为开发可支持值得信赖的信息基础设施而起草标准过程中所遇到的主要挑战。论文征集函全文见附件 1。论文提交截止日期为 2015 年 7 月 6 日。

4 2015 年的大视野会议活动将构成国际电联 150 周年庆祝活动的一部分，突出学术界为实现国际电联“连通世界”的使命所做的贡献。

5 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。

6 我们鼓励国际电联所有成员都在各自国家的学术界推广这些活动。

7 大会临近时将提供有关注册和会议支持服务的详尽信息，请访问该大型活动的网页：<http://itu.int/go/K-2015>。请注意，此大型活动参与者的预注册完全以**在线**方式进行。

8 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西班牙并逗留。在此情况下，需要向驻贵国的西班牙代表机构（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的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-2015>。信息将尽快发布。

顺致敬意！

[原件已签]

赵厚麟

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

Mitsuji Matsumoto, Waseda University, Japan

Mostafa Hashem Sherif, AT&T, USA

#### **Host Committee**

**Chairman:** Pilar Orero, Universitat Autònoma de Barcelona, Spain

Anna Matamala, Universitat Autònoma de Barcelona, Spain

Xavier Ribes, Universitat Autònoma de Barcelona, Spain

#### **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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