总秘书处（**SG**）

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– 致国际电联各成员国主管部门；
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事由： **2017年国际电联大视野会议 – "数据驱动型社会所面临的挑战"**
2017年11月27-29日，中国 南京

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，将第九次举办这一具有前瞻性的系列学术大会，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服务发展的领域。2017年"数据驱动型社会所面临的挑战"（Challenges for a data-driven society）大视野会议得到中华人民共和国工业和信息化部的热情支持，由南京邮电大学（NUPT）承办，将于2017年11月27-29日在中国南京市香格里拉大酒店（Shangri-La Hotel）召开。

2   数据的指数级增长和可用性，以及不断增强的收集、处理和分析能力，开辟了可持续发展的新前沿。但需要制定全球公认标准才能避免出现不能相互兼容的数据孤岛，同时建立起一个普遍、共享、一体化的数据生态系统，在高度安全的环境中部署累积数据，造福全民。

3   2017年大视野会议正在征集原创学术论文，要求能够针对数据管理和分析的技术、业务和政策问题，提出创新且大胆的解决办法，并鼓励在数据技术基础上开发应用和服务，促进社会发展。论文征集函全文参见**附件1**。论文提交截止日期为**2017年6月19日**。

4   国际电联成员国、部门成员、部门准成员和学术机构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。会议不收取任何费用，但亦不发放与会补贴。

5   我们鼓励全体国际电联成员在各自国家的学术界推广此次活动。

6   此项活动临近时，将在活动网页上提供有关注册和会议后勤服务方面的详细信息：http://itu.int/go/K-2017。**请注意，此次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中国并逗留。在此情况下，需要向驻贵国的中国代表机构（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-2017。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-17/08)
Challenges for a data-driven society
The 9th ITU Kaleidoscope academic conference

Nanjing, China, 27-29 November 2017

Call for Papers

Kaleidoscope 2017: Challenges for a data-driven society is the ninth 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.

Theme

More data have been produced over the last two years than over the entire previous history of humanity. The volume of data that networks transport continues to soar to previously unimaginable heights. Emerging technological developments, specifically smart applications (e.g. smart cities and the smart grid) and the Internet of Things (IoT), will further fuel this trend.

This exponential growth and availability of data, along with enhanced collecting, processing and analytics capabilities, have opened up new frontiers in sustainable development. But globally accepted standards are needed to avoid the development of incompatible data silos and to establish a universal, shared and integrated data ecosystem that allows the deployment of the accumulated data in a highly secure environment, for the benefit of all.

The questions that need to be answered in this context include, among many others:

- Which technical challenges need to be overcome to encourage data portability, to share and aggregate data and to eventually enable interoperability of different data ecosystems?

- What are the legal frameworks required to build a universal, shared and integrated data ecosystem?

- What are the technological advances required to make sense of the immense volume of data available?

- What type of standards are needed for the analysis of the data and the interpretation of results?

- Are (telecommunication/ICT) standards organizations qualified to address the problems associated with data production, dissemination and storage?

- What are the synergies, if any, between the industry's view of data as a source of competitive advantage and the public sector's view of data as a public good?

- How can end-users receive equitable value in return for generating data?

- How can standards and regulation protect individual users' data across multiple organizational and geographic boundaries? How can trust be established in the provided level of protection?

Objective

Kaleidoscope 2017 calls for original academic papers that offer innovative and bold approaches relevant to technology, business and policy aspects of data management and analysis and encourage the development of applications and services building on data technologies to improve society.

Audience

Kaleidoscope 2017 targets specialists in the fields of ICT and socio-economic development, including researchers, academics, students, engineers, policymakers, regulators, innovators and futurists.

Date and venue

27-29 November 2017, Shangri-La Hotel, Nanjing, China

Submission of papers

Prospective authors from ITU Member States are invited to submit full, original papers. 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-2017 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: ***19 June 2017***
Notification of paper acceptance: ***18 September 2017***
Submission of camera-ready accepted papers: ***6 October 2017***

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

The Steering and Technical Programme Committees will award the authors of the three best papers. 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, big data, analytics, data mining, database, open data platform, cloud computing, ubiquitous networks, internet of things, e-applications, trustworthiness, security, privacy, reliability, smart grid, mobile banking services, radio spectrum, sustainability, development, access, equality, inclusiveness.

Suggested (non-exclusive) list of topics

Track 1: **Network infrastructure and architecture for data**	• Network architecture design, data-driven networking • Distributed systems, parallel and distributed computing • Cloud computing techniques for data management • Data in mobile and pervasive computing • Data migration and backup • Data synchronization • Access control • Trusted computing, network security and privacy • Network performance analysis • Requirements for data storage and exchange • Functional architecture for big data as a service (DaaS) • Requirements for data quality and provenance • Requirements for open data platforms • Wireless sensor and actuator networks • Energy efficient, sustainable power management

Track 2: Data applications and services	• Data retrieval, processing, analysis, and analytics • Data semantics, interoperability, search and mining • E-services • Internet of Things (IoT) • Data as a service (DaaS) • Data for industry, government and society • Data for smart sustainable cities • Data for research, science and technology
Track 3: Social, economic, environmental and policy aspects of data access and management	• Data standardization and regulation • Data ownership models, open data licensing • Business models for data and open data • Inclusiveness, affordability and access to data • Security and privacy issues • Digital rights and identity management • Green, energy-efficient models and sustainability issues for data • Open data for education, research and public good

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The list of Technical Programme Committee members will be available shortly at: http://itu.int/en/ITU-T/academia/kaleidoscope/2017/Pages/progcom.aspx.

Additional information

For additional information, please visit the conference website: http://itu.int/go/K-2017. Inquiries should be addressed to kaleidoscope@itu.int.

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