Ginebra, 15 de marzo de 2017

Ref.:	**CL-17/08** **TSB/AM**	– A las Administraciones de los Estados Miembros de la UIT;
		– A los Miembros de Sector, Asociados e Instituciones Académicas de la UIT y a las organizaciones internacionales, regionales y nacionales pertinentes
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Asunto:	**Caleidoscopio de la UIT 2017 "Retos para una sociedad basada en los datos"** **Nanjing (China), 27-29 de noviembre de 2017**	

Estimado(a) Señor(a):

1   Como parte de los eventos Caleidoscopio, una iniciativa de la UIT para fomentar la cooperación con las Instituciones Académicas y los centros de investigación, me complace informarle acerca de la novena serie de conferencias que tratan de identificar los acontecimientos emergentes en las tecnologías de la información y la comunicación (TIC) y, especialmente, las áreas que requieren de normas internacionales para apoyar el desarrollo de productos y servicios que tengan éxito. Caleidoscopio 2017 "Retos para una sociedad basada en los datos", que cuenta con el apoyo del Ministerio de Industria y Tecnología de la Información (MIIT) y será acogido por la Universidad de Correos y Telecomunicaciones de Nanjing (NUPT), tendrá lugar en el Hotel Shangri-La de Nanjing (China), del 27 al 29 de noviembre de 2017.

2   El crecimiento exponencial y la disponibilidad de los datos, junto con la mejora de las capacidades de recopilación, tratamiento y análisis, han abierto nuevas fronteras en materia de desarrollo sostenible. Pero se requieren normas aceptadas a escala mundial para evitar la creación de silos de datos que no sean compatibles y para establecer un ecosistema de datos universal, compartido e integrado que permita la difusión de los datos acumulados en un entorno de gran seguridad, en beneficio de todos.

3   Caleidoscopio 2017 solicita ponencias de investigación que presenten enfoques innovadores y audaces en lo que respecta a la tecnología, los aspectos comerciales y políticos de la gestión y el análisis de los datos y fomenten el desarrollo de aplicaciones y servicios basados en las tecnologías de datos para mejorar la sociedad. El texto íntegro de la solicitud de ponencias figura en el **Anexo 1**. Se invita a presentar las ponencias hasta el **19 de junio de 2017**.

4   La participación está abierta a los Estados Miembros, a los Miembros de Sector, a los Asociados y a las Instituciones Académicas de la UIT, y a cualquier persona de un país que sea miembro de la UIT y desee contribuir a los trabajos. Esto incluye a las personas que también sean miembros de organizaciones nacionales, regionales e internacionales. La participación en el taller es gratuita pero no se otorgará ninguna beca.

5   Alentamos a todos los Miembros de la UIT a promover este evento entre la comunidad académica de sus países.

6   En la página web del evento (http://itu.int/go/K-2017) se irá facilitando información detallada relativa a la inscripción y la logística a medida que se vaya aproximando la fecha de la conferencia. **Rogamos tengan presente que la preinscripción de los participantes en los talleres se efectúa exclusivamente *en línea*.**

7   Le recordamos que los ciudadanos procedentes de ciertos países necesitan visado para entrar y permanecer en China. Cuando así sea, dicho visado debe solicitarse y obtenerse en la oficina (embajada o consulado) que representa a China en su país o, en su defecto, en la más próxima a su país de partida. Se ruega a los participantes que requieran la asistencia del país anfitrión para obtener un visado de entrada que consulten la página web del Caleidoscopio en la dirección http://itu.int/go/K-2017. La información se publicará tan pronto esté disponible.

Atentamente,

[firmado]

Houlin Zhao
Secretario General

Anexo: 1

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

General Chairman

Zhen Yang (President of Nanjing University of Posts and Telecommunications, China)

Steering Committee

Christoph Dosch (ITU-R Study Group 6 Vice-Chairman; IRT GmbH, Germany)
Kai Jakobs (RWTH Aachen University, Germany)
Mitsuji Matsumoto (Waseda University, Japan)
Mostafa Hashem Sherif (AT&T, USA)

Host Committee

Chairman: Guo-Ping Jiang (Vice President of Nanjing University of Posts and Telecommunications, China)

Technical Programme Committee

Chairman: Kai Jakobs (RWTH Aachen University, Germany)

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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