digital2014 is a new initiative of the OCG Austrian Computing Society, aimed to establish an interdisciplinary forum for a scientific discussion of recent topics on the interface of informatics and society of administration, business and civil society under the co-ordination of science. Challenges, new ideas, projects and practices can be discussed in a cluster of panels, workshops and conferences. Conference languages are German and English.

digital2014 will be organised in 4 tracks:

- KnowRight2014 9th International Conference on the Interaction of Knowledge Rights, Data Protection and Communication (English)
- LegalInformation.IRIS.Vienna.2014 (Rechtsinformation.IRIS.Wien.2014) (German)
- OCG Forum Privacy2014 (German)
- Big Data & Cloud 2014 (English)

KNOWRIŞHT2014 9TH INTERNATIONAL CONFERENCE ON THE INTERACTION OF KNOWLEDGE RIGHTS, DATA PROTECTION AND COMMUNICATION (ENGLISH)

KnowRight conferences have been held since 1995; KnowRight 2014 is already the 9th. Traditionally KnowRight focuses on the interaction between Intellectual Property Rights, Information Rights, ethical issues, civil society and information technology. KnowRight 2014 will be back to its original place in Vienna, Austria, after conferences also in Krakow and Helsinki.

Data Protection is considered as an important human right but it “clashes” often will the right to do business or the right to security. A platform for discussing and finding solutions is needed and KnowRight provides this environment for a long time. It was unusual for a data protection and intellectual property conference to originate from a computing society. However, it was an early mark for the necessary change in data protection and IP law due to new technologies in the context of the Information Society and a progressively electronic environment.

The main topics of KnowRight2014 are: data protection vs. business interests, right to know of citizens, digital goods, open data and abuse of dominant positions by IT multinationals, health data (ELGA) and Europe vs. Facebook.
**BIG DATA & CLOUD 2014 (ENGLISH)**

Big Data is an emerging paradigm dealing with the objective to extract value from data by incorporating large-scale data sources, a variety of data formats, as well as their velocity. Cloud Computing aims at transparently providing ubiquitous on-demand access to a shared set of compute resources with a high focus on elasticity and automation. Both rely on novel patterns in transparent distribution, auto-scaling and provisioning but focus on different major aspects: data versus computing. This track will focus on novelties in both areas of computer science and their applicability to various domains of research and business, in particular the following topics:

Cloud Computing: Novelties in Cloud Architectures, Cloud Interoperability, Cloud Migration and Scale-Out, Service Level Agreements and their (automated) Negotiation,

Big Data: Novelties in Big Data Architectures and Frameworks, large-scale storage or processing frameworks, Big Data Analytics, frameworks supporting large-scale machine learning and/or large-scale implementations of algorithms, Big Data Visualization: Novelties/Applications in/or (interactively) visualizing large-scale datasets

Application Scenarios and Business Cases: Applications incorporating Big Data or Cloud technologies in various domains such as mobility, health-care, emergency management, digital preservation, Business Showcases.

**OCG PRIVACY2014 FORUM (GERMAN)**

In October 2013, the OCG Forum Privacy organized a conference entitled "IT companies between police state and customer responsibility", which was dominated by the revelations of Edward Snowden and focused on the role of private companies in the surveillance state. Since then, new interesting developments can be observed in Europe. In both, respective obligations of companies concerning the fundamental right to data were in the focus. Two leading decisions of the Court of Justice of the European Union (ECJ) gave life to the fundamental right to data protection with immense implications for the knowledge and network society: data retention as well as to the "right to be forgotten". Common to both is the challenge of finding a fair balance of interests with proportionality between different basic rights.

**RECHTSINFORMATION.IRIS.WIEN.2014 (LEGALINFORMATION.IRIS.VIENNA.2014) (GERMAN)**

In traditional search with the text corpus is seen as a representative of the legal knowledge. Lu and Conrad have called this the document view of the world. Metadata improve legal search, esp. thesauri, classifications or abstracts of courts or magazines. Reference indices and rankings documents are also helpful; but not as supportive as in the Google search. Nevertheless, the access to justice problem using search words and documents remains a hermeneutical challenge.

The next step is seen "aggregated user behavior" in the USA. The behavior of all users is generated to a user's view of the text corpus. To the usual search results user data in a table to be made available: number of times the document has been viewed, how many times it was printed, how many times the legal quality was checked (similar as KeyCite), what is the ratio of several documents in the same search session from etc. By means of this data, the evaluation of the relevance is substantially improved.

The odds are against due to strong privacy concerns. Until now, the generation of such data for ethical reasons was rejected; require solving the issues of confidentiality. Modern
approaches to the processing of big data the privacy-friendly distortion and anonymity seem to provide a solution, but needs more research.

This workshop will introduce the opportunities and discusses the issues with potential users in a critical manner. Provider of the most important legal information providers will present their view of whether and in what form a dynamic generation of user behavior is even feasible. The existing consensus preserving the high level of data protection and confidentiality should never be changed.

CONFERENCE VENUE
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DEADLINES
Submission of abstracts: 31 October 2014
Final programme: 4 November 2014
Final paper: 31 March 2015

SUBMISSION OF PANELS AND CONTRIBUTIONS
Panel Organisers and authors are requested to submit an abstract (200 to 600 words appreciated, up to 3000 words) until 31 October 2014, via the conference submission site
Full papers can be submitted after the conference.

**CONFERENCE FEE**

€ 100,—, OCG members, academics € 70,—, students € 30; special conditions on request for groups, firms, administration and authors.

**PUBLICATION**

Conference proceedings will be published after the conference in April 2014; in the series of the Austrian Computing Society books@ocg.at.

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