



The Conference of Digital Information Technology 2014 Modern Trends in the Digital Information

Amman- Jordan 13-15 May 2014

Brochure

Organizers



Jilwan Academy for Training & Studies



Zarqa University



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Definition Conference

Introduction:

The International Conference of "Digital Information Technology 2012" is a conference on advanced technology research in the field of digital information. It would be dedicated to digital information for the first time in the Arab world. The conference aims to bring together researchers, developers and content providers and users in the areas of digital information technologies as well as politicians, economists and decision makers for their importance in bridging the digital divide, scientific, civilized, cultural and linguistic capabilities between the developed and Arabic countries. **Zarqa University (ZU)** and **Jilwan Academy for Training & Studies (JATS)** worked to set the stage for a conference DIT-MT 2013 by the best methods of organizing and holding international conferences, in the city of **Amman, Jordan in 13 - 15 May 2014.**

Digital information technology played a key role in our society over the past years. So the volume of digital material **grew** considerably to bridge the gaps, whether they were digital or scientific, cultural, civilized, or linguistic capabilities between Developed and Developing countries. And use it well to become more effective in every place, given the challenge of combining technology of our future and our past digital to become more important. It established modern and innovative methods of cooperative work. It also,

founded new forms of challenge to the content and methods of the establishment of digital libraries. Similarly, the need for and means of increasingly sophisticated to support and analysis of Arab digital content and international scholars, practitioners, professionals, and academics leads us to new difficulties for the infrastructure and interfaces interaction of information repositories. The role of decision-makers in supporting these trends is to make them equal with developed countries in all fields.

Vision of the conference: -

Enable the participants of the ongoing constructive debate among academics in universities, practitioners and decision-makers in both the public and private sectors to achieve sustainable development across all sectors and agencies in the development of information technology.

Objectives of the Conference:

The objectives of this Conference are the following:

1. To establish partnership between the public and private sectors to provide an industrial fabric that can develop quick ways to communicate with positive direct impact on the Arab and national economy.
2. To re-design public and higher education and vocational commensurate with the requirements of these institutions that deal with digital technology, relying primarily on communication, information and knowledge.
3. To Take practical measures to achieve the equality of information technology and communications between the new reality of global development practitioner and technical.
4. To intensify efforts to find a basic infrastructure for the information superhighway.
5. Proposals to link the services of various government agencies, in addition to the completion of various activities of the government itself by relying on networks and information.

6. To provide the labor with what it needs to build and strengthen the information technology infrastructure of information systems.
7. To develop strategies of the development of information production.
8. To develop means of scientific research institutions and production, exploitation and distribution of information.
9. The transition to economies based on knowledge, information and knowledge.
10. To make sure of the production rate and the availability of resources for the manufacture of raw content, including databases and banks photos and archives papers and electronic libraries and the size of paper and digital content production tools of program design, web pages and electronic publishing tools.
11. To provide access to the experiences and suggestions of all concerned continuous improvement among stakeholders in the field of information science and bridge the digital divide.

Conference Topics:

The conference will discuss several topics through the international experts who will present their experiences and suggestions, in the papers presented and workshops.

The areas of the conference interests are as follows:

First area: Foundations: Digital Technology and Methodologies

- ١ Architectures and infrastructures
- ٢ Metadata standards and protocols in digital information systems
- ٣ Interoperability in digital environment, data and information integration
- ٤ Distributed and collaborative information spaces
- ٥ Systems, algorithms, and models for digital preservation
- ٦ Personalization in digital libraries
- ٧ Information access: retrieval and browsing
- ٨ Information organization
- ٩ Information visualization
- ١٠ Multimedia information management and retrieval
- ١١ Multilingualism in digital environment
- ١٢ Knowledge organization and ontology in digital environment
- ١٣ Digital photography

Second Area: Digital Libraries & Humanities

- ١ Digital libraries in cultural heritage
- ٢ Computational linguistics: text mining and retrieval
- ٣ Organizational aspects of digital preservation
- ٤ Information policy and legal aspects (e.g., copyright laws)
- ٥ Social networks and networked information
- ٦ Human factors in networked information
- ٧ Electronic Government
- ٨ Scholarly Communications between Arab academics
- ٩ Digital libraries: architectures & infrastructure

Third Area: Digital Technology in Education, Higher Education and Scientific Research

- ١ Digital technology and its role in education and general education (primary and secondary stages)
- ٢ Learning resource centers in schools, colleges and university libraries
- ٣ International academic research and publishing
- ٤ Educational digital technology and education
- ٥ Scientific research and digital technology in higher education

Fourth Area: Digital Divide

- ١ The Digital Divide: From Definitional Stances to Policy Initiatives
- ٢ Methodological Challenges of Digital Divide Measurements
- ٣ Ethical Challenges of the Information Society in the 21st Century
- ٤ Role of Digital libraries and Mass media in Bridging Digital Divide
- ٥ Digital Divide issues
- ٦ Models of Electronic Governments
- ٦ Local languages in digital environment
- ٧ Digital inclusion for digitally less advanced: how the Arab could benefit from the western
- 9 Gender, age, education and other social issues in the context of digital divide in Arab countries
- ١٠ Users vs. content vs. service providers: Arab and Western countries
- ١١ Digital information in e-Government, e-learning, e-Health, e-Science, e-Publishing

Fifth Area: Applications and User Experience

- ١ Multi-national digital library federations (e.g., European)
- ٣ Semantic Web and Linked Data
- ٤ User's studies for and evaluation of digital library systems and applications
- ٥ Personal information management and personal digital libraries
- ٦ Enterprise-scale knowledge and information management
- ٧ User behavior and modeling
- ٨ User's mobility and context awareness in information access
- 9 User's interfaces for digital institutions

Fifth Area: Research Data

- ١ Architectures for large-scale data management (e.g., Grids, Clouds)
- ٢ Cyber infrastructures: architectures, operation and evolution
- ٣ Collaborative information environments
- ٤ Data mining and extraction of structure from networked information
- ٥ Scientific data creation
- ٦ Metadata for scientific data, data provenance
- ٧ Services and workflows for scientific data
- ٨ Data and knowledge management in virtual organizations
- ٩ Development and modernization in the areas of technology

Target audiences (researchers and participants and the audience):

- Ministries and government departments: the leaders and employees in all Ministries and government departments (especially education and higher education and general education, and vocational and technical education, communications and information technology ,and the civil service, commerce and industry planning, work and development, modernization and development, media and media organizations).
- Universities and Colleges: faculty members and experts, technicians and graduate students, and specialists in all academic and professional areas.
- Vocational and rehabilitation and training companies in the areas of information technology and digital communications.
- Institutions and research centers and studies working on the development of databases and information systems and e-government.
- Economic cities and chambers of commerce.
- Agencies, public and private sector institutions.
- Industrial and service sector and trade.

- Media and press institutions.
- Business investors in the areas of information technology, Information, and knowledge.
- Interested.
- Librarians and Information Specialties.
- Researchers.

Major activities of the Conference:

The conference program will include the following activities:

- Definition of ideas and themes related to digital and electronic environment .
- Discussion with specialists and decision-makers, academics, government officials and investors.
- Scientific sessions (papers and scientific research).
- Meetings and workshops.
- An exhibition of the most prominent actors and international companies.
- Seminars, workshops, specialized training.

Ways of participating in the conference:

1. Participate in the conference and submit a working paper in the main sessions.
2. Participate in the conference and participate to provide a workshop in one of the workshops associated with the conference.
3. Participate in the conference by attending the main sessions and workshops.
4. Participation by companies and government agencies and private producers of databases.
5. Participation by universities and government organizations and researchers by presenting examples of their experiences and their production.

Scientific Committee will judge and publish most of scientific papers and research (either presented at the scientific sessions or not) at the conference site in print and a (CD) is distributed to the audience and sent to academic authorities and universities. The scientific papers and research will be published Proceedings of the first volume of a journal titled "Studies in digital information technology", which will be issued annually.

Calendar of the conference activities:

activities		Time	First Day Tuesday 13/5/2014
Registration		10:00-9:00	
Official Inauguration		11:00-10:00	
Break		11:30-11:00	
Main sessions / workshops		Time	
1 - Session Structuring of information systems and infrastructure		12:30-11:30	
2 - Session Digital libraries and publishing academic research		1:30-12:30	
Lunch		2:30-1:30	
Workshop (2) Methods of Measure and Bridging Digital Divide	Workshop (1) The academic scientific communication mechanisms between universities	4:00-2:30	
Workshop (4) Development and modernization in e-government	Workshop (3) Electronic applications in higher education	5:30-4:00	
Main sessions / workshops		Time	Second Day Wednesday 14/5/2014
3 - Session Digital information applications in institutions and universities		10:00-9:00	
4 - Session Scientific research and digital technology in higher education		11:00-10:00	
Break		11:30-11:00	
5 - Session Assess the reality of information technology in the Arab World		12:30-11:30	
6 - Session The reality of the digital divide in the Arab world		1:30-12:30	
Lunch		2:30-1:30	
Workshop (6) The Digital on Mobile/Cell	Workshop (5) E-commerce and Marketing Information	4:00-2:30	
Workshop (8) Multimedia Information Management	Workshop (7) Integration mechanisms in digital libraries and information institutions	5:30-4:00	
Main sessions / workshops		Time	
7 - Session		10:00-9:00	

Information and Digital Content Management on the Internet		Thursday 15/5/2014
8 - Session E-Government Programs	١١:٠٠-١١:٠٥	
Break	١١:٣٠-١١:٠٠	
conclusion and Recommendations	١٢:٣٠-١١:٣٠	

General notes:

- The Sessions (2-4 speakers + Administrator of meetings), workshop (1-2 speakers or trainers).
- Progress sessions and workshops in both Arabic and English.
- If papers are available in English.
- The deadline for registration 1/5/2014
- We will communicate with the authors of papers and providers of training workshops by the Conference Secretariat, through the mass communication (mobile phone and e-mail) and you can contact the Conference Secretariat directly on: 00962795514152 - 00966562268059

Conference fees

Fees	Fees include
400\$	Include pouch materials and scientific sessions of the Conference and a certificate of attendance + Lunch + Coffee Break for all (3) days of the conference
50\$	To attend a training workshop (Includes course material and certificate of attendance of the training course).



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Conference Secretariat

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