









The 3rd IEEE International Conference on Application of Information and Communication Technologies AICT2009

Azerbaijan, Baku, 14-16 October 2009 http://aict2009.qafqaz.edu.az

Paper Submission is OPEN

Accepted papers include Engineering Index (EI) and EI Compendex and IEEE Xplore TM IEEE Catalog Number: CFP0956H, ISBN: 978-1-4244-4740-4 and Library of Congress: 2009905189

The 3rd IEEE International Conference on Application of Information and Communication Technologies AICT2009 invites high-quality recent research results in the areas of Information and Communication ICT in Emergency services and disaster recovery, ICT in Education and businesses, ICT in Research, ICT in security, ICT in Health care services and bio-informatics, Home and Health networking, ICT in governments, Electronic commerce, Mobility and Mobile Payments, Broadband access, satellite services, rural communications, Mobile and Wireless Communications, optical communications and networking, architectures, protocols, planning and design, ICT in management and modeling, analysis, simulation and performance evaluation and test results. The main goal of the conference is to bring together scientists and engineers who work and teach in these specialized fields to submit recent papers and come together in this geographical location.

AICT2009 is co-organized by Ministry of Communication and Information Technologies of Azerbaijan, Ministry of Education of Azerbaijan and Universities in Azerbaijan, Qafqaz University, Baku State University, Azerbaijan Technical University, Information Technology Institute and in co-operation with IEEE ComSoc Turkey Chapter and Uzbekistan IEEE Regional Chapter technically co-sponsored by Institute of Electrical and Electrical Engineering (IEEE).

AICT2009 brings researchers from similar disciplines to identify new research and educational opportunities and challenges. The 3rd AICT2009 International Conference will be held in Baku Azerbaijan on the 14, 15 and 16th of October 2009. AICT2009 is the third conference in its series aimed at stimulating technical exchange in the emerging and important field of Information and Communications technologies, ICT in education, Research, Business, Health service, Home networking and Optical, mobile and wireless Internet and communications networks and the importance of Electronic and Mobile Commerce and web technologies are considered in AICT2009 conference.

AICT2009 seeks to address and capture highly innovative and state of the art research and work in the field

of ICT and INTERNET industries. The scope of the conference includes a wide range of technical challenges in view of the growing interest for wireless access to Internet and the evolution of third and fourth generation cellular systems. The conference also accepts progress on IST European Commission funded research projects including Seventh Research Frameworks program. The Authors can present their finding on wired and wireless quality of service, resource management, Ad Hoc and sensor networks. Radio interface design, adaptive antennas and arrays and indoor propagation, measurement and predictions also will be considered. A growing number of digital devices inside homes and the application of Ultra Wide Band (UWB), as well as Spectrum efficiency and low power consumption including low cost and secure wireless personal access are some of the areas to be considered in this conference. Optical communications networks are becoming increasingly important as the demand for high capacity links are required. Dense wavelength division multiplexing (DWDM) is widely deployed at the core networks to accommodate high capacity transport systems. Optical components, such as optical amplifier, tunable filters, transceivers, termination devices and add-drop multi-plexers are becoming more affordable and reliable. Access and metropolitan area networks are increasingly built with optical technologies to overcome the electronic bottleneck at network edges. New components and subsystems for high-speed optical networks offer new design options. The objective of this event is therefore to foster the exchange of information among researchers in this fast-moving field. The authors can present their finding on all aspects of ICT including systems and communications technologies on new Fibers, optical fiber gratings and devices, optical amplifiers, optical sensing and medical application of fiber optics and Opto-electronics and microwave over optics. AICT will take place annually and one of its purpose is to promote educational and research cooperation between participants from universities and many other member institutions involve in the field of information and communication technologies. AICT2009 Accepted papers for publication include Engineering Index (EI) and EI Compendex and IEEE Explore TM.

IMPORTANT DATES:

Conference date: 14 - 16 October, 2009

Paper Submissions Deadline: July 20, 2009

Notification of Acceptance: August 20, 2009

Camera Ready Version Due: September 1, 2009

ORGANIZED BY:







Ministry of Communication and Information Technologies



Ministry of Education of Azerbaijan



Qafqaz University



Azerbaijan Technical University



Baku State University



Information Technology Institute

PAPER SUBMISSION GUIDELINES:

Authors are requested to submit electronically a PDF file paper(s) only to the following link: ONLINE PAPER SUBMISSION.

Accepted papers include Engineering Index (EI) and EI Compendex.

Elsevier publishing house will be receiving all the titles of the accepted papers from IEEE AICT2009 conference for inclusion in its databases, including Engineering Index (EI) and EI Compendex.

Identification numbers, the IEEE catalog number and ISBN will be assigned to AICT2009 accepted papers.

Papers title, author names and addresses and Emails, paper abstract and keywords should be written in English and should preferably follow the instructions in Template others parts of the paper can be written in your native language as Azerbaijani, Turkish or Russian languages.

Preferred maximum paper length is 5 printed pages (10-point font) including figures. IEEE will accept papers for review up to 7 pages in length. Accepted papers that are longer than 5 pages will be charged an over length fee of \$100 USD for 6 pages and \$200 USD for 7 pages. Under no circumstances may any submission should exceed 7 pages. Papers in excess of 7 pages shall not be considered for review or publication. The cover page is not included in the page count. The title of the paper, author's name, affiliation, complete return address, telephone number, facsimile number and e-mail address should appear at the top of the first page followed by an abstract with a maximum of 100 words. Authors must state that their paper has neither been published before nor currently being submitted elsewhere. Accepted papers will be published in the conference's proceedings and/or CD-ROMs and the publication will be available on IEEE XploreTM. Selected papers will also be published in a journal.

For additional information concerning paper submission, Please contact general chairs: Guy Omidyar or Abzetdin Adamov or just fill the Contact Us form.

Note: The final submission of accepted papers (Camera ready) must be in accordance to publisher's formatting standard IEEE Xplore at: IEEE Xplore

SESSIONS and TOPICS:

AICT2009 topics include, but are not limited to, the following research and development areas/fields:

ICT in Business Administration, Finance and Economy

- ICT for micro/small businesses
- Business support in shared environment
- Business process management, re-engineering and modelling
- Interfacing with developed business methodologies
- Case Studies and Testbeds
- Business Models and Economics of Community and Rural Wireless Networks
- Internet as base of distributed business models
- Location and Context Management
- IT Pressure to Organisation Culture and Change Management
- Enterprise Resource Planning
- Customer Relationship Management
- Supply chain Management
- Business Intelligence
- Knowledge Management
- E- and M- Commerce

- IS Adoption and Strategies
- e-Business Strategies

ICT in Governance and Government Policy Making

- e-Government and e-Government strategy
- e-Planning
- Public Participation and Information Technologies in citizen governance
- Government service automation strategies
- Metadata and public standards
- Management Resource and Information Management

ICT in Medicine and Health Care

- e-Health and Telemedicine
- Medical and Nursing Informatics
- Design and development methodologies for Healthcare IT
- Support for clinical decision-making
- Mobile technologies for Healthcare applications
- Healthcare Management Systems
- Human-Machine Interfaces for Disabled Persons

ICT in Education, Research and Science

- e-Learning
- e-Learning Platforms and Tools
- IntInteractive Learning Systems
- Standards, Policies and Best Practices in e-Learning
- Pedagogical and Organizational Frameworks
- Mobile Learning Applications
- Building Learning Communities
- e-Commerce Education
- Management of Learning Resources
- Learning & Content Management Systems
- Virtual Classrooms, and Universities
- Knowledge Management in e-Learning
- Organizational e-Learning Strategies
- Industry-University Partnership
- Interfaces for illiterate users
- Culturally adapted content
- Methods and Strategies for Assessment of S&T Education
- Different Approaches to Implementation of ICT in S&T Education
- Visualization in S&T Education
- Increasing Public Awareness and Understanding of Science
- Outdoor Science Exploration
- Sustainable Agriculture / Natural Resource Exploitation
- Computer assisted agriculture
- Industrial, Automation & Manufacturing Engineering

ICT in Humanities and Social Sciences

- Public Access to Information and Globalization
- Human-Computer Challenge and Interaction

- Planning and Deployment of Community and Municipality Wireless Networks
- Policy and Legislation for digital environment
- Comminication media and Internet
- Web and Society
- Using ICT in development
- e-Learning and democratization using the Internet
- Social Networks meet Wireless
- Social impact of ICT in developing countries
- Optical Communications and networking

Communication, network and hardware

- Wireless, ad-hoc, meshed, etc. networks
- Mobile-based computing
- Policies for communication access development
- Sensor networks / alert systems
- Networking and computing in challenged environment
- Cost-effective Rural, Urban and Community Wireless and Mesh Networks
- Wireless Multimedia Services
- Wireless Local Loop (WLL)
- Multiple Access Technology
- Broadband Wireless Access
- Security in Mobile and Wireless Networks
- WLAN and Mobile WIMAX, 3G and 4G systems
- Optical Passive and Active components and devices
- Network management and services
- Simulation, Modeling and analysis and performance evaluations
- Physical and link layers and lower layers of protocols
- Higher layers of protocols, application

Application

- Semantic Web Services
- Service Oriented Architechture
- Semantic Web: Concepts, Technologies and Applications
- Web2 new development paradigm
- Web Ontology and Development
- The Design Evaluation and Implementation of the Interface
- Context-aware computing and location-based services
- Semantic Web and Ontology
- Case Studies on Data Management, Monitoring and Analysis
- Location and mobility semantics
- Concepts and Development of Information Systems
- IS Architectures and Platforms
- IS Tools and Standards
- Information System Management
- Decision Support Systems
- Data Mining
- Distributed and Parallel Computing
- Cyber Security
- Fuzzy logic and Reasoning
- GIS and Remote Sensing
- Unified data processing and communication systems

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- Hasan Bulut, Ege University, Turkey

Muhammet Cinsdikici, Ege University, Turkey

INFORMATION for AUTHORS:

All accepted papers of AICT2009 will be published in the conference proceedings, under an ISBN reference, in paper and in CD-ROM support. A book including a selection of the best conference papers will be edited and published by Springer.

Paper will be accepted only by electronic submission through the conference web site. At least one of the authors of each accepted paper must register as a full participant of the workshop to have the paper published in the proceedings.

Authors also should adhere strictly to the format instructions. The organizing committee reserves the right to return accepted papers to the author(s) that do not fully comply strictly with the format instructions given on template are available at the conference web site, for more information on the electronic submission see web-site at: paper submission guidelines. Original papers not being submitted to journals or other conferences will be considered. All submitted papers will be evaluated according to its originality, significance, correctness, presentation and relevance. We encourage authors to present novel ideas, critique of existing work, and practical studies and experiments.

VISA INFORMATION:

All foreign nationals except citizens of Belarus, Georgia, Kazakhstan, Uzbekistan, Kyrgyzstan, Tajikistan, Moldova, Russia, Ukraine, Bulgaria, Hungary, Romania and Vietnam are required to have business or tourist visas to enter the Republic of Azerbaijan.

Before application for the tourist visa, foreign nationals need to obtain a visa support, in form of a Letter of Invitation (LOI), from a licensed travel agency in Azerbaijan. Citizens of Austria, Belgium, France, Germany, Japan, Spain, Switzerland, UK, and USA do not need LOI, but they could be requested to obtain LOI, if they are obtaining Azerbaijan Visa outside of their country of citizenship. All travelers are suggested to contact in advance Azerbaijan Embassy or Consulate in your location, where they are planning to obtain their tourist visa.

Ministry of Foreign Affairs of Republic of Azerbaijan is at: Web-site

HOTEL INFORMATION:

Information about hotels in Baku is given below. This is based on the information available on their websites.

Hotel	Room Type	Category	Rate
Grand Europe Hotel ★★★★★	Single	Standard	\$177
	Double	Standard	\$203
	Single	Deluxe	\$248
Park Hyatt Regency Hotel ***** www.baku.regency.hyatt.com	Single / Double	Queen / Twin	\$330 / \$360
	Single	Deluxe / Queen	\$375 / \$405
	Single	Regency / Suite	\$455 / \$485
The Crown Hotel **** www.crownhotelbaku.com	Single	Standard	\$125
	Double	Standard	\$137
Ambassador Hotel	Single	Standard	\$175
	Double	Standard	\$212

www.luxehotels.com/hotels/Ambassador			
Diplomat Hotel ★★★★ www.diplomathotelbaku.com	Single	Standard	\$125
	Double	Standard	\$137
Ambiance Hotel **** www.hotelambiance.az	Single	Standard	\$100
	Double	Standard	\$137

CONTACT US:

For more information on on the 3rd International Conference on Application of Information and Communication Technologies please contact the Local Technical Committee or just fill the form below.

AICT2009 Local Technical Committee Secretariat:

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