

DEPARTMENT OF MATHEMATICS, STATISTICS AND
APPLIED INFORMATICS, FACULTY OF ECONOMY, UT

**“Information Systems
and Technology Innovations:
towards a digital Economy”**

CONFERENCE AGENDA

organized by:

Department of Mathematics, Statistics and Applied
Informatics, Faculty of Economy, UT

in collaboration with:

University for Business and Technology, Kosovo
and under the auspice of the
Academy of Sciences of Albania

<http://www.conference.ijsint.org>

June, 15-16, 2013
Tirana, Albania

4th INTERNATIONAL CONFERENCE

“Information Systems and Technology Innovations: towards a digital Economy”

Tirana, June 15-16, 2013

EDITORS

ANITA MIRIJAMDOTTER, Linnaeus University, Sweden
ARETI STRINGA, Faculty of Economy, University of Tirana
BASHKIM RUSETI, Faculty of Economy, University of Tirana
BEKIM GASHI, University for Business and Technology, Kosovo
BUKURIE DUMANI, Faculty of Economy, University of Tirana
DHIMITRI TOLE, Faculty of Economy, University of Tirana
DHORI KULE, Rector, University of Tirana
EDMOND HAJRIZI, Rector, UBT, Kosovo
FATMIR MEMAJ, Faculty of Economy, University of Tirana
GUDAR BEQIRAJ, Chief, Academy of Sciences, Albania
KOZETA SEVRANI, Chief Department, Faculty of Economy, UT
KURT MATYAS, Vienna University of Technology, Austria
LARRY STAPLETON, Waterford Institute of Technology, Austria
NEKI FRASHËRI, Polytechnic University, Tirana, Albania
NORBERT JESSE, Dortmund University, Germany
OMER STRINGA, Faculty of Economy, University of Tirana
PETER KOPACEK, Vienna University of Technology, Austria
SULO HADËRI, Dean, Faculty of Economy, University of Tirana
THOMA MITRE, Faculty of Economy, University of Tirana

ORGANIZING COMMITTEE STUDENT COMMITTEE

Kozeta SEVRANI	Denisa ISUFAJ
Edlira MARTIRI	Donjaldo HOXHA
Albana GORISHTI	Eleni TRAGAJ
Ezmolda BAROLLI	Raisa UKU
Erjon ZOTO	Romina MUKA
	Xhulio MITRE

4th INTERNATIONAL CONFERENCE

Information Systems and Technology Innovations: towards a digital Economy

Tirana, June 15-16, 2013

CONFERENCE AGENDA

June 15th, 2013

Rogner Hotel, Tirana

Opening day, Apollonia Hall

- 16.30-17.00 Registration
- 17.00-18.15 Opening Ceremony
- 18.15-18.30 Coffee break
- 18.30-20.00 Invited guests and sponsors

June 16th, 2013

Rogner Hotel, Tirana

Conference Sessions, Prague, Vienna, London conference rooms

09.00-10.45 Parallel sessions

1. "Engineering and networks" – Prague room
2. "Cloud computing and mobile technologies" – Vienna room
3. "Applied statistics and mathematics" – London room

10.45-11.00 Coffee break

11.00-13.00 Parallel sessions

4. "Information Security" – Prague room
5. "Information Systems" – Vienna room
6. "Digital economy and e-services" – London room

SESSION 1 PRESENTATIONS, 09.00-10.45

“ENGINEERING AND NETWORKS”

MODERATORS:

1. A distributed rerouting scheme to integrated in MPLS Networks
Ilir SHINKO, Vladi KOLIČI
2. Introducing Application Clustering while facing the complexity of industrial software systems.
Vilma QERAMA, Denisa ISUFAJ, Krista DRUSHKU
3. Optimizing Real Time Business Intelligence
Blertha MOÇKA, Helidon KARÇANAJ, Marsida IBRO, Daniel LEKA
4. The economic advantages of parallel computing-Case of a program written in parallel with MPI
Denisa MILLO, Neki FRASHERI
5. Exploiting the performance and efficiency of Apache Hadoop Distributed Namespace Systems in Cloud applications
Enkeleda KUKA, Frida GJERMENI, Aleksander XHUVANI
6. Building a system that reflects the evolution of the coastline.
Luis LAMANI, Oltion FOCIRO, Igli MYRTA
7. Development of a Virtual Device Driver for a Multicore Embedded Systems Hosting Multiple Operating Systems
Orges ÇIÇO, LuadaTORO, Kristjano MONKA

SESSION 1 POSTERS, 09.00-10.45
"ENGINEERING AND NETWORKS"

1. Automatic camera control in 3D virtual environment.
Oltion FOCIRO, Luis LAMANI, Igli MYRTA
2. Methodology and design of embedded systems based on FPGASs
Marsida IBRO, Blerta MOÇKA
3. New challenges for communication service providers (CSPs) in Albania
Klaudia CARCANI, Rediana KOCI
4. Connectivity IPv4-IPv6: Building a connecting node between the two protocols
Erblina PËRSHQEFA, Milena SHEHU, Taulant NGJELA
5. GPU programming and implemented mathematical algorithms
Ana GJATA, Fjona DHËMBO, Jorind PLASA, Sotirraq PINA
6. An application of artificial neural networks on industrial modelling
Ermira BUZI, Petraq MARANGO
7. The Kernel Ring - Self-tuning Linux Kernel using Support Vector Machines
Levis JANI, Marin ARANITASI
8. Experimental Evaluation of the Cross-polarization received signal in Microwave Communication system
Elson AGASTRA, Bexhet KAMO, Shkelzen ÇAKAJ, Erida MULLA

SESSION 2 PRESENTATIONS, 09.00-10.45
“CLOUD COMPUTING AND MOBILE TECHNOLOGIES”
MODERATORS:

1. A Mobile Application for Collecting Real-time Data, Using Cloud-based Software
Kreshnik VUKATANA, Kozeta SEVRANI, Elira HOXHA
2. Cloud Computing, Web Application and Android Application Integration
Tamara LUARASI
3. Real-time vehicle tracking system using GPS/GSM/GPRS technology – Kosovo Government vehicles case
Kujtim GASHI, Arbnor HALILI
4. Impact of Mobile Technology on End User Performance
Erdet KËLLIÇI
5. Promoting Albanian Tourism Through Mobile Applications
Rezarta MYRTOLLARI, Donjaldo HOXHA, Xhulio MITRE
6. Usage of Cloud Computing platforms in Geographical Information Systems (GIS)
Ardi BENUSI, Atina GOLEMI
7. A Case Study: Improvement of Performance in the Optimization of WebGIS Application .
Elinda KAJO, Yllka BAÇI

SESSION 2 POSTERS, 09.00-10.45

“CLOUD COMPUTING AND MOBILE TECHNOLOGIES”

1. Implementation of Cloud Computing in Web Applications
Ana DHËMBI, Leogena ZHAKA, Endrit XHINA, Denis SAATCIU
2. A new application based on "people-meter" methodology for continuous automatic electronic TV audience measurement in the Albania media market
Andi EREBARA, Vladi KOLIÇI
3. Mobile development trends and issues toward m-Government services in Republic of Kosovo
Arbnor HALILI, Albert ALIU
4. Spot instances costs in Amazon EC2: Checkpointing and Work migration
Elva LEKA, Bukuroshe XHAJA, Genta REXHA
5. Mobile banking and its challenges in Albania
Elona LABINOTI, Kuenka PAVLI, Doris ÇARÇANI

SESSION 3 PRESENTATIONS, 09.00-10.45

“APPLIED STATISTICS AND MATHEMATICS”

MODERATORS:

1. Economy -a difficult equation: How to spur economic growth in the vortex of a crisis"
Ermelinda MEKSI, Ermelinda GJIKA
2. “From qualitative data to the quantitative economic analysis for assessing the business climate indicator in Albania”.
Evelina ÇELIKU

3. Non extensive entropy approach on the study of dynamics of exchange rates for some currencies in Albania
Dode PRENGA, Sander KOVACI, Teodor KOTA, Erjon SPAHIA, Malvina MARKU
4. Factors impacting information sharing in supply chains in Albania
Alma SPAHO, Majlinda GODOLJA
5. Monte carlo , Kalman filters and Black scholes approaches on reservoir engineering Management.
Skender OSMANI , Rejnald MUCA
6. Volatility Models in Financial Markets: Application to a Balkan Market Index
Visar MALAJ, Vincenzo GENTILE
7. Analysis of Causal Link Variables CPI and PPI
Case of Albania
Valentina SINAJ, Glediana Foto ,Romina MUKA

SESSION 3 POSTERS, 09.00-10.45

“APPLIED STATISTICS AND MATHEMATICS”

1. Mathematical model for evaluate the impact of infrastructure projects implemented in Albania.
Teuta MYFTIU, Shkelqim KUKA
2. Use of Information and Communication Technology by students of the Southeast European University
Mirjana SEJDINI, Sadri ALIJA, Llukan PUKA

3. An Iterative Method for Nash's Mixed Equilibrium with Brouwer's Fixed Point Theorem
Elvin RADA
4. Analysis of the Relationship of Demand and Supply Variables in the Construction Sector over the Price of Apartments in Albania
Ilira PULAJ, Medrit MUSTAFARAJ
5. The symbiosis of the remittances and the budget of the Albanian family
Teuta THANASI, Omer STRINGA , Sivi ASLLANI
6. Impact of insurance products through banks: Albanian Perspective
Valbona ÇINAJ, Artur RIBAJ
7. New oscillation criteria for second order advanced neutral differential equations
Xhevair BEQIRI, Alit IBRAIMI
8. The effect of gender and study branch on freshmen student attitudes towards the adoption of e-assessment
Lindita MUKLI, Jozef BUSHATI, Rezarta MERSINI
9. Sample Size Determination and Allocation. STS - Short Term Economic Statistics as an application case.
Liljana BOCI, Aida GUXHO
10. Strategies of foreign direct investments in the region and the cultural dimension in the internationalization of the organization
Mimoza MANXHARI, Majlinda SHEHU, Doriana GJUTA

SESSION 4 PRESENTATIONS, 11.00-13.00
"INFORMATION SECURITY"

MODERATORS:

1. Increasing compression rate of images through the method of numbring combinations
Elda CINA, Habib HAMAM
2. Analysis of the Current System of Intrusion Detection Through SNORT
Ledina KARTERI, Valma PRIFTI, Deivis DISHA
3. Some Maple algorithms generating diagnostically / strong cryptographic examples
Dolantina HYKA, Artur BAXHAKU
4. Analysis of SQL Injection Attacks on Web Applications
Bojken SHEHU
5. The usage of reverse engineering technique for reporting issues with file data exchange
Evis DRINI, Rovena BAHITI
6. Kosovo's Websites Vulnerabilities And Its Economic Impact
Arbnor HALILI, Korab RRMOKU, Blerim REXHA
7. The opportunity of using eSpeak as Text-to-Speech synthesizer for Albanian Language
Ramiz KASTRATI, Mentor HAMITI

SESSION 4 POSTERS, 11.00-13.00
"INFORMATION SECURITY"

1. Application and Database Availability
Alkid ADEMI, Gjergji MULLA
2. Securing ASP.NET Web Applications
Agon MEMETI, Eip RUFATI
3. Depersonalization and Protection of Personal Data
Bojken SHEHU
4. The Future of Online Banking Security
Gjergji MULLA, Alkid ADEMI, Dhimiter KIKINA
5. The implementation of e-government in Albania
Sofiana VELIU, Valbona SHUKARASI

SESSION 5 PRESENTATIONS, 11.00-13.00
"INFORMATION SYSTEMS"

MODERATORS:

1. New trends in data modeling.
Tomi THOMO, Indrit BAHOLLI, Paulin KODRA
2. Albanian News Clustering
Arbana KADRIU
3. Author identification in Albanian language
Adelina SULA, Hakik PACI, Elinda MECE

4. Some Applications in Artificial Neural Networks A case study in Customer relationship Management
Rexhep RADA, Bashkim RUSETI
5. Technical mechanisms vs. commercial ones to cope with high speed data communication demand
Irena MALOLLI, Kozeta SEVRANI
6. Pre-evaluation of enterprise resource planning (ERP) and management accounting (MA) adoption practices by Albanian SME-s
Petraq PAPAJORGJI, Erita SKENDAJ, Iris BATALLI
7. Understanding the Intensity of Value Conflicts as a Result of Subcultural Differences in Organizations
Miranda KAJTAZI, Christina MÖRTBERG and Anita MIRIJAMDOTTER

SESSION 5 POSTERS, 11.00-13.00
"INFORMATION SYSTEMS"

1. Benefits Of Data Warehouses, An Important Business Intelligence Component
Nevila BACI, Vilma KOXHAI
2. An integrated methodology for ERP implementation
Donald GJIKA, Jona JOSIFI, Limonera BOZHA
3. Collaborative learning, using tools to support e-learning environment
Senada BUSHATI(HOXHA), Edlira KALEMI, Lindita MUKLI
4. The application of data mining techniques to analyze customers behavior

Ana KTONA, Dhimiter KIKINA, Jerina HOXHA

5. An overview of fuzzy hierarchical clustering methods
Erind BEDALLI
6. Application of Relationship Mining in Education
Denada XHAJA, Ana (Resulaj) KTONA, Ilia NINKA
7. The urban traffic control system for the city of Tirana
Mirlinda KARÇANAJ, Kozeta SERVRANI, Blerina VIKA
8. A comparative overview of using neural networks in Speech
recognition
Olti QIRICI, Ridi QIRICI
9. Challenges of IT governance: The case of Public
Administration in Albania
Ilir KURTI, Ezmolda BAROLLI, Arjan QEFALIA
10. Data Quality in Accounting Information Systems
Erjon ZOTO, Dhimitri TOLE

SESSION 6 PRESENTATIONS, 11.00-13.00

“DIGITAL ECONOMY AND E-SERVICES”

MODERATORS:

1. Applying Data Mining Techniques in Customer Behavior
Analysis: Finding the Appropriate Tariff Plans for Customers
in Mobile Telecommunication
Adriola FAQOLLI, Dhimiter TOLE
2. The application of Data Mining techniques to increase
existing customers' satisfaction and to attract new ones.

Ana KTONA, Dhimitër KIKINA, Afërdita SPAHIU, Jerina HOXHA

3. Combining AIML, C# and Agent Control 2.0 to produce an Albanian speaking bot
Festim HALILI, Merita KASA, Florim IDRIZI, Ilia NINKA, Blerim SHERIFI
4. Informal Economy in Albania: Size and Consequences on Financial Deepening.
Merita BOKA, Giuseppe TORLUCCIO
5. Necessity of Developing E-Bill Web-Application for Generating the Electricity Bills for All Clients of "CEZ Shperndarja" in Albania
Nevila BACI, Anni DASHO SHARKO, Albana GORISHTI
6. The business challenges into migrating in new, fast changing SaaS Technologies - A return over investment and costs analysis as part of an emerging business strategy
Tea TAVANXHIU, Metjan BADUNI
7. Network readiness and the role of marketing in the ICT sector Case of Albania
Ermelinda KORDHA, Klodiana GORICA

SESSION 6 POSTERS, 11.00-13.00
"DIGITAL ECONOMY AND E-SERVICES"

1. Government policies for increasing economic growth through innovation technology
Olta MILOVA, Soana TEKA

2. Implementation of ecommerce banking service in Albania
Elona KRASTAFILAKU, Endrit XHINA
3. The assessment of ICT penetration in schools.
Rafail PRODANI, Marsel KOTORI, Blerina ÇELIKU
4. Tax Performance and Underground Economy in Albania
Elida LIKO, Tonin KOLA
5. The effect of Internet use on the economy
Lisnaja KELMENDI, Rilind KELMENDI
6. The effect of gender and study branch on freshmen student attitudes towards the adoption of e-assessment
Lindita MUKLI, Jozef Bushati, Rezarta MERSINI
7. The importance of credit rating and the models used by Banks
Juliana IMERAJ
8. The impact of Higher education on Economic growth
Ditjona KULE, Adela SHERA, Bruna NICKA
9. The Necessity and Possibility of the Orientation of Real Estate Sales from Internet
Mimoza KALIA, Elfrida MANOKU
10. SOCIAL-ECONOMIC DISPARITIES AND REGIONAL DEVELOPMENT IN ALBANIA
Eva DHIMITRI, Mimoza MANXHARI
11. e-Governance and Interoperability Framework in Kosovo
Kujtim GASHI

12. Development of Cultural Android Mobile Application via Cloud Computing
Ledia BOZO (HAJDËRI), Rubin BASHA

13. LAMP versus closed code - A Survey on their Pros and Contras in Website Development in Albania
Edlira KALEMI, Albana GORISHTI, Gloria TYXHARI, Edlira MARTIRI