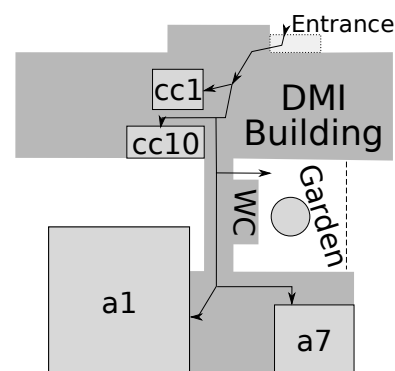# 1 Conference Timetable

The changes compared to the "Abstracts and program" booklet are marked with strikethru and "++".
Document generated: 09:32 Tuesday 18th September, 2012

1.1 Overview

Full papers have 25 minutes for presentations, while short papers have 15 minutes.
Lecture halls (all on the ground floor of the Department of Mathematics and Informatics – DMI): *a1* – Amphitheater 1, *a7* – Amphitheater 7, *cc1* – Computer Center 1, *cc10* – Computer Center 10.

16/09/2012		
10:30 – 11:00	*a1*: CLoBL	*cc10*: SQAMIA
11:30 – 13:00	*a1*: CLoBL	*cc10*: SQAMIA
13:00 – 14:30	*– Lunch break –*	
14:30 – 16:00	*a1*: CA1	*cc10*: SQAMIA
16:00 – 16:30	*– coffee break –*	
16:30 – 18:30	*a1*: AI1	*cc10*: ISR1
Reception		

	17/09/2012		18/09/2012		
09:00 – 09:30	*Official Conference Opening*				
09:30 – 10:15	*a1*: Mauro Pezze		*a1*: Bela Stantic		
10:15 – 11:00	*a1*: Hussein Zedan		*a1*: Hans-Dieter Burkhard		
10:45 – 11:15			*– coffee break –*		
11:30 – 13:00	*a1*: SE1	*cc10*: AA	*a1*: AI3	*cc10*: OS1	
13:00 – 14:30			*– Lunch break –*		
14:30 – 16:00	*a1*: SE2	*cc10*: CA2	*a7*: TUT	*cc10*: ISR2	*Steering Committee*
16:00 – 16:30			*– coffee break –*		
16:30 – 18:30	*a1*: LT	*cc10*: AI2	*a7*: TUT	*cc10*: DIS2	
	City Tour		Dinner		

19/09/2012			
09:00 – 09:45	*a1*: Klaus Bothe	*cc10*: WASA	
09:45 – 10:30	*a1*: Vladan Devedžić	*cc10*: WASA	
10:30 – 11:00	*– coffee break –*		
11:00 – 12:30	*a1*: CA3	*cc1*: DIS2	*cc10*: WASA
Excursion			

1.2 Saturday, September 15

17:00 – 19:30	Registration, in front of Hall I

1.3   Sunday, September 16

09:00 − 14:00	Registration, in front of Hall I

10:30 − 13:00   **Workshop: Computational Linguistics and Natural Language Processing of Balkan Languages (CLoBL)**   *a1*

Session Chair: Cvetana Krstev and Katerina Zdravkova

○ Serbian Text Categorization Using Byte Level n-Grams
Jelena Graovac

○ Information Extraction from the Weather Reports in Serbian
Staša Vujičić Stanković and Vesna Pajić

○ Automatic Recognition of Composite Verb Forms in Serbian
Bojana Đorđević

○ Recognition and Normalization of Temporal Expressions in Serbian Texts
Jelena Jaćimović

○ An Approach to Development of Bilingual Lexical Resources
Ranka Stanković, Ivan Obradović and Aleksandra Trtovac

○ An Authorship Attribution for Serbian
Anđelka Zečević and Miloš Utvić

10:30 − 11:30++Workshop: Software Quality Analysis, Monitoring, Improvement, and Applications, (SQAMIA) − Special Session   *cc10*

Session Chair: Zoran Budimac

+ + ○ Studying Software Evolution Using Artefacts' Shared Information Content
Tom Arbuckle

11:30 − 13:00   **Workshop: Software Quality Analysis, Monitoring, Improvement, and Applications, (SQAMIA) − Session 1**   *cc10*

Session Chair: Marjan Heričko and Zoran Budimac

○ Adoption of object-oriented software metrics for ontology evaluation
Rok Žontar, Marjan Heričko

○ Agile Software Testing Technologies in a Large Scale Project
Bojana Koteska, Anastas Mishev

○ Rule-Based Assignment of Comments to AST Nodes in C++ programs
Tamás Cséri, Zalán Szügyi, Zoltán Porkoláb

○ ISO Software Quality Standards and Certification
Bisera Dugalic, Anastas Mishev

13:00 − 14:30	Lunch break

14:30 − 16:00   **Workshop: Software Quality Analysis, Monitoring, Improvement, and Applications, (SQAMIA) − Session 2**   *cc10*

Session Chair: Hannu Jaakkola and Zoran Budimac

○ Analyzing Structural Software Changes: A Case Study
Črt Gerlec, Marjan Heričko

○ Security Analysis Regarding Cross-Site Scripting on Internet Explorer
Adriana Neagoş and Simona Motogna

○ SSQSA architecture
Zoran Budimac, Gordana Rakić, Miloš Savić

○ Notes on the Parallels Between Biological and Software Evolution
Ladislav Samuelis

14:30 − 16:00   **CA1: Computer Applications in . . .**   *a1*

Session Chair: Sonja Ristić

~~. . .**Society**~~

○ ~~Risks affecting the development of the information society in the Republic of Moldova: insights from a Delphi survey~~
~~*(full) Horatiu Dragomirescu and Ion Tighineanu*~~

. . . Business

○ A Software Tool for Building a Statistical Prefix Processor
(full) Nikitas Karanikolas, Michael Vassilakopoulos and Nektarios Giannoulis

○ Social Networking Software use in Social Media Marketing vs. Traditional Marketing: Case Study in Macedonia
(short) Bekim Fetaji and Amir Demiri

. . . Government

○ Framework for Open Data Mining in e-Government
(short) Petar Milić, Nataša Veljković and Leonid Stoimenov

. . . Medicine

○ Extracting Drug Adverse and Beneficial Reactions in Pediatric Population from Healthcare Social Network
(short) Jelena Hadzi-Puric and Jeca Grmusa

16:00 – 16:30	Coffee break

16:30 – 18:00 AI1: Artificial Intelligence   *a1*

Session Chair: Vladimir Kurbalija

○ OECEP: Enriching Complex Event Processing with Domain Knowledge from Ontologies
(full) Sebastian Binnewies and Bela Stantic

○ A distributed asynchronous and privacy preserving neural network ensemble selection approach for peer-to-peer data mining
(full) Yiannis Kokkinos and Konstantinos G. Margaritis

○ An Approach to Automated Reparation of Failed Proof Attempts in Propositional Linear Logic Sequent Calculus
(full) Tatjana Lutovac

16:30 – 18:00 ISR1: Information Storage and Retrieval *and*   *cc10*

Session Chair: Miloš Radovanović

○ Efficient dataset size reduction by finding homogeneous clusters
(full) Stefanos Ougiaroglou and Georgios Evangelidis

○ ~~Discovery and Evaluation of Students' Profiles with Machine Learning~~
~~*(full) Evis Trandafili, Alban Allkoçi, Elinda Kajo and Aleksandër Xhuvani*~~

○ Comparison of Information Retrieval Models for Question Answering
(full) Jasmina Armenska and Katerina Zdravkova

Computer Graphics

○ ~~A Novel Algorithm for an Image Processing System in Entomology~~
~~*(full) Marjan Kindalov, Ana Madevska Bogdanova and Zarko Erakovic*~~

○ The Teaching of Geography using Dynamic Geometry
(short) Đorđe Herceg, Vera Herceg-Mandić and Davorka Radaković

19:15 – 21:15	Welcome Reception

1.4   Monday, September 17

09:00 − 14:00	Registration, in front of Hall I

09:00 − 09:30   **Official conference opening**

09:30 − 10:15   **Invited Lecture 1**   *a1*
  Session Chair: Mirjana Ivanović
  ○ From Off-line to Continuous On-line Maintenance
  Mauro Pezzè

10:15 − 11:00   **Invited Lecture 2**   *a1*
  Session Chair: Zoran Budimac
  ○ Secure and Context-Aware Workflow System
  Hussein Zedan

11:00 − 11:30	Coffee break

11:30 − 13:00   **SE1: Software Engineering**   *a1*
  Session Chair: Ivan Luković
  ○ Formal Modelling of a Bio-Inspired Paradigm Capable of Exhibiting Emergence
    (full) Konstantinos Rousis, George Eleftherakis, Ognen Paunovski and Tony Cowling
  ○ Community Detection and Analysis of Community Evolution in Apache Ant Class Collaboration Networks
    (full) Miloš Savić, Miloš Radovanović and Mirjana Ivanović
  ○ Statically Typed Matrix
    (full) Predrag S. Rakić, Lazar Stričević and Zorica Suvajdžin Rakić
  ○ An Evaluation of Java Code Coverage Testing Tools
    (short) Elinda Kajo-Mece and Megi Tartari

11:30 − 13:00   **AA: Analysis of Algorithms and Problem Complexity**   *cc10*
  Session Chair: Mirjana Ivanović
  ○ Virtualized Environments in Cloud Can Have Superlinear Speedup
    (full) Sasko Ristov, Marjan Gusev, Magdalena Kostoska and Kiril Kiroski
  ○ Comparative Performance Evaluation of The AVL and Red-black Trees
    (full) Svetlana Štrbac-Savić and Milo Tomašević
  ○ ~~The Evaluation of Performance in Flow Label and Non Flow Label Approach Based on IPv6 Technology~~
    ~~(short) Ariana Bejleri, Igli Tafaj, Ermal Beqiri, Julian Fejzaj and Aleksander Biberaj~~
  ○ Logical Representation of Dependencies of Items and The Complexity of Customer Sets
    (short) János Demetrovics, Hua Nam Son and Ákos Gubán

13:00 − 14:30	Lunch break

14:30 − 16:00   **SE2: Software Engineering**   *a1*
  Session Chair: George Eleftherakis
  ○ ~~Evaluation of Tools for Automated Unit Testing for Applications in OSGi~~
    ~~(short) František Geletka, Ladislav Samuelis, and Jozef Vojtko~~
  ○ A Hoare-Style Verification Calculus for Control State ASMs
    (short) Werner Gabrisch and Wolf Zimmermann
  ○ Communication in Machine-to-Machine Environments
    (short) Iva Bojic, Mario Kusek, Gordan Jezic, Sasa Desic and Darko Huljenic
  ○ User-Friendly Menu for New-Age Mobile Phones
    (short) Ivan Peric and Oliver Sipos
  ○ Layout Proposal for One-Handed Device Interface
    (short) Oliver Sipos, Ivan Peric and Dragan Ivetic

14:30 − 16:00   **CA2: Computer Applications in . . .**   *cc10*
  Session Chair: Stelios Xinogalos

. . . Buisiness

○ Management, Communications and Security Policy in Mobile Database Systems
(full) Vigan Raça, Betim Çiço and Majlinda Fetaji

○ Analyzing the Selection and Dynamic Composition of Web Services in E-commerce Transactions
(full) Nikolaos Vesyropoulos and Christos K. Georgiadis

○ An Approach to the Specification of User Interface Templates for Business Applications
(full) Sonja Ristić, Ivan Luković, Slavica Aleksić, Jelena Banović and Ali Al-Dahoud

. . . Education

○ A Software Tool that Helps Teachers in Handling, Processing and Understanding the Results of Massive Exams
(short) Marko Mišić, Marko Lazić and Jelica Protić

16:00 – 16:30	Coffee break

16:30 – 18:30 **LT: Languages and Techniques** *a1*
Session Chair: Zoran Budimac

○ Parameterized Verification of Open Procedural Programs
(full) Aleksandar Dimovski

○ ~~Performance Study of Matrix Computations using Multi-core Programming Tools~~
~~(full) Panagiotis Michailidis and Konstantinos G. Margaritis~~

○ Recent Advances Delivered by HTML 5 in Mobile Cloud Computing Applications: A Survey
(full) Stelios Xinogalos, Kostas E. Psannis and Angelo Sifaleras

○ Fuzzy XML with Implementation
(short) Goran Panić, Miloš Racković and Srđan Škrbić

○ ~~Protection of Web Applications Using Aspect Oriented Programming and Performance Evaluation~~
~~(short) Elinda Kajo-Mece, Lorena Kodra, Enid Vrenozi and Bojken Shehu~~

Computer Graphics (+)

+ + ○ A Novel Algorithm for an Image Processing System in Entomology
(full) Marjan Kindalov, Ana Madevska Bogdanova and Zarko Erakovic

16:30 – 18:30 **AI2: Networks *and*** *cc10*
Session Chair: Petros Kefalas

+ + ○ Implementation and Evaluation of a Sleep-Proxy for Energy Savings in Networked Computers
(short) Enida Sheme, Marin Aranitasi and Neki Frasheri

Artificial Intelligence

○ A Knowledge Based Approach for Handling Risk Management
(full) Adrian Solomon, Panayiotis Ketikidis and Alok Choudhary

○ Recognition and Normalization of Some Classes of Named Entities in Serbian
(full) Cvetana Krstev, Jelena Jaćimović and Duško Vitas

○ Optimising Flash Non-Volatile Memory using Machine Learning: A Project Overview
(short) Tom Arbuckle, Damien Hogan and Conor Ryan

○ The Modification of Genetic Algorithms for Solving the Balanced Location Problem
(short) Vladimir Filipović, Jozef Kratica, Aleksandar Savić and Đorđe Dugošija

~~Computer Application in Education~~

○ ~~<L|ETAP> Model for an Adaptive Tutoring System~~
~~(short) Eugenia Kovatcheva~~

19:00	City tour

1.5   Tuesday, September 18

09:00 − 14:00	Registration, in front of Hall I

09:30 − 10:15   **Invited Lecture 3**   *a1*
>   *Session Chair: Mirjana Ivanović*
> ○ An Implicit Approach to Deal with Periodically Repeated Data
>   *Bela Stantic*

10:15 − 11:00   **Invited Lecture 4**   *a1*
>   *Session Chair: Zoran Budimac*
> ○ Soccer Playing Robots for (e-)Learning
>   *Hans-Dieter Burkhard*

10:30 − 10:45++**BCI 2013, Announcement and presentation**   *a1*

11:00 − 11:30	Coffee break

11:30 − 13:00   **AI3:   Artificial Intelligence**   *a1*
>   *Session Chair: Hans-Dieter Burkhard*
> ○ Formal Modelling of Agents acting under Artificial Emotions
>   *(full) Petros Kefalas, Ioanna Stamatopoulou and Dionysis Basakos*
> ○ Time Series Mining in a Psychological Domain
>   *(full) Vladimir Kurbalija, Hans-Dieter Burkhard, Mirjana Ivanović, Charlotte Meyer, Jens Nachtwei and Lidija Fodor*
> ○ Predictive Complex Event Processing: A Conceptual Framework for Combining Complex Event Processing and Predictive Analytics
>   *(full) Lajos Jenő Fülöp, Gabriella Tóth, László Vidács, Árpád Beszédes, Hunor Demeter, Lóránt Farkas, Tibor Gyimothy and Gergő Balogh*
> ○ Reservoir Sampling Techniques in Modern Data Analysis
>   *(short) Anže Pečar, Miha Zidar and Matjaž Kukar*

11:30 − 13:00   **OS1:   Operating Systems *and***   *cc10*
>   *Session Chair: Marjan Gusev ~~Betim Çiço~~*
> ○ A Parallel Processing of Spatial Data Interpolation on Computing Cloud
>   *(full) Vladimír Siládi, Ladislav Huraj, Eduard Vesel and Norbert Polčák*
> ○ Robust Moldable Scheduling Using Application Benchmarking for Elastic Enviornments
>   *(short) Ibad Kureshi, Violeta Holmes and David Cooke*
> ○ A Review of Disc Scrubbing and Intra Disc Redundancy Techniques for Reducing Data Loss in Disc File Systems
>   *(short) Genti Daci and Aisa Bezhani*
>   **Networks**
> ○ ~~Implementation and Evaluation of a Sleep-Proxy for Energy Savings in Networked Computers~~
>   *~~(short) Enida Sheme, Marin Aranitasi and Neki Frasheri~~*
> ○ ~~Analyses of QoS Routing Approach and the Starvation's Evaluation in LAN~~
>   *~~(short) Ariana Bejleri, Igli Tafaj, Aleksander Biberaj, Ermal Beqiri and Julian Fejzaj~~*

13:00 − 14:30	Lunch break

14:45 − 15:45++**Steering committee meeting**   *Teachers' Club − II floor*

14:30 − 18:30   **Tutorial: Automated Personality Classification − Data mining in Social Networks**   *a7*
>   *Aleksandar Kartelj, Vladimir Filipović, Veljko Milutinović*

14:30 − 16:00   **ISR2:   Information Storage and Retrieval**   *cc10*
>   *Session Chair: Srđan Škrbić ~~Christos K. Georgiadis~~*
> ○ Data Model for Consortial Circulation in Libraries
>   *(short) Danijela Tešendić*

- ○ Applying MDA in Developing Intermediary Service for Data Retrieval
  (short) Danijela Boberić Krstićev
- ○ A BIBO Ontology Extension for Evaluation of Scientific Research Results
  (short) Bojana Dimić Surla, Milan Segedinac and Dragan Ivanović
- ○ Collective Information Extraction using First-Order Probabilistic Models
  (short) Slavko Žitnik, Lovro Šubelj, Dejan Lavbič, Aljaž Zrnec and Marko Bajec
- ○ Cloud Computing Interoperability Approaches – Possibilities and Challenges
  (short) Magdalena Kostoska, Marjan Gusev, Sasko Ristov and Kiril Kiroski

16:00 – 16:30	Coffee break

16:30 – 18:00   **DIS1: Database and Information Systems *and***   *cc10*
Session Chair: Christos K. Georgiadis ~~Tomáš Pitner~~

- ○ ~~Privacy Aware eLearning Enviroments Based on Hippocratic Database Principles~~
  ~~*(full) Jasmin Azemović*~~
- ○ Insider Threats in Corporate Environments:A case study for Data Leakage Prevention
  (short) Veroniki Stamati-Koromina, Christos Ilioudis, Demosthenes Stamatis, Christos K. Georgiadis and Richard Overill
- ○ ~~S-Suite: A Multipart Service Oriented Architecture for The Car Rental Sector~~
  ~~*(short) Margarita Karkali and Michalis Vazirgiannis*~~
- + + ○ Challenging Issues of UCON in Modern Computing Environments
  (full) Christos Grompanopoulos and Ioannis Mavridis

    Computer Applications in Government

- ○ Growth rate analysis of e-Government development
  (full) Kiril Kiroski, Marjan Gushev, Magdalena Kostoska and Sasko Ristov
- ○ Integrating Serbian Public Data into the LOD Cloud
  (full) Valentina Janev, Uroš Milošević, Mirko Spasić, Sanja Vraneš, Jelena Milojković and Branko Jireček

19:20	Gathering in front of the Department building for the dinner

20:00	Conference Dinner – Restaurant "Terasa", Petrovaradin Fortress

1.6   Wednesday, September 19

09:00 – 11:00	Info desk, in front of Hall I

09:00 – 09:45   **Invited Lecture 5**   *a1*
  Session Chair: Mirjana Ivanović
  ○ Create, Collect and Share Course Materials Across Universities: Does it Work Successfully?
  Klaus Bothe

09:45 –10:30   **Invited Lecture 6**   *a1*
  Session Chair: Zoran Budimac
  ○ TEL research projects
  Vladan Devedžić

09:00 – 10:30   **Workshop on Applications of Software Agents, WASA, session 1**   *cc10*
  Session Chair: Maria Ganzha and Costin Bădică
  + + ○ Developing Software Agents Using Enterprise JavaBeans
  Dejan Mitrović, Mirjana Ivanović, Milan Vidaković, Ali Al-Dahoud
  ○ Neuroevolution based Multi-Agent System for Micromanagement in Real-Time Strategy Games
  Iuhasz Gabriel, Viorel Negru, Daniela Zaharie
  ○ A Set-Based Approach to Negotiation with Concessions
  Costin Bădică and Amelia Bădică
  ○ Using Jason to Develop Declarative Prototypes of Automated Negotiations
  Alex Muscar, Laura Surcel, Costin Bădică
  ○ ~~GliderAgent 2.0 – Agent-Based Glider Pilot Support System for Android Devices~~
  ~~Maria Ganzha, Mariusz M. Mesjasz, Marcin Paprzycki~~

10:30 – 11:00	Coffee break

11:00 – 12:30   **Workshop: WASA – session 2**   *cc10*
  Session Chair: Marcin Paprzycki and Mirjana Ivanović
  + + ○ GliderAgent 2.0 – Agent-Based Glider Pilot Support System for Android Devices
  Maria Ganzha, Mariusz M. Mesjasz, Marcin Paprzycki
  ○ Applying Saaty's Multicriterial Decision Making Approach in Grid Resource Management
  Maria Ganzha, Marcin Paprzycki, Katarzyna Wasielewska
  ○ New Outlook on Agent-Based Travel Support Systems
  Maria Ganzha, Mariusz M. Mesjasz, Marcin Paprzycki
  ○ Service Agents for Calendar Exchange
  Magdalena Kostoska, Goran Velkoski, Krste Bozinoski, Sasko Ristov, Marjan Gusev
  ○ Method for Optimizing Communication Costs in ACODA Using Simulated Annealing
  Costin Bădică, Sorin Ilie, Mirjana Ivanović
  ○ ~~Developing Software Agents Using Enterprise JavaBeans~~
  ~~Dejan Mitrović, Mirjana Ivanović, Milan Vidaković, Ali Al-Dahoud~~

11:00 – 12:30   **CA3: Computer Applications in Education**   *a1*
  Session Chair: Katerina Zdravkova
  ○ International Educational Cooperation – One Possible Model
  (full) *Klaus Bothe, Zoran Putnik and Betim Çiço*
  ○ Modeling the Characteristics of a Learning Object for Use within e-Learning Applications
  (full) *George Nikolopoulos, Georgia Solomou, Christos Pierrakeas and Achilles Kameas*
  ○ Programming Techniques and Environments in a Technology Management Department
  (full) *Stelios Xinogalos*
  ○ ~~Program Assessment via a Capstone Project~~
  ~~(short) John Galletly, Dimitar Christozov, Volin Karagiozov and Stoyan Bonev~~

11:00 – 12:30   **DIS2: Database and Information Systems**   *cc1*
  Session Chair: Tomáš Pitner ~~Srđan Škrbić~~

- ○ Correlation between Soft Organizational Features and Development of ICT Infrastructure
  (full) Mladen Čudanov, Ivan Todorović and Ondrej Jaško
- ○ ~~Challenging Issues of UCON in Modern Computing Environments~~
  ~~(full) Christos Grompanopoulos and Ioannis Mavridis~~
- ○ Information System Monitoring and Notifications using Complex Event Processing
  (full) Filip Nguyen and Tomáš Pitner
- ○ Storing XML Documents in Databases Using Existing Object-Relational Features
  (short) Dušan Petković

12:30 – 23:00	Excursion to Zrenjanin and *Carska bara*
	Lunch packet and dinner included

Closing session .