

## ◆ CONFERENCE OBJECTIVE

The *CompSysTech'07* International Conference is organized by **THE BULGARIAN ACADEMIC SOCIETY OF COMPUTER SYSTEMS AND INFORMATION TECHNOLOGIES** and its OBJECTIVE is to intensify the information exchange of results in theoretical research and practical developments in this field.

*CompSysTech'07* is organized under the patronage of:

- **EUROPEAN COMMISSION - Directorate-General for Education and Culture;**
- **Bulgarian State Agency for Information Technologies and Communications;**
- **Bulgarian Ministry of Education and Science;**
- **Bulgarian Academy of Sciences;**
- **Bulgarian Union of Automation and Informatics;**
- **Bulgarian Chapter of the Association for Computing Machinery – acmbul;**
- **Bulgarian Chapter of IEEE Computer Society;**
- **Bulgarian Chapter of IEEE Communications Society.**

## ◆ INTERNATIONAL PROGRAMME COMMITTEE

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**Vassil Sgurev, Acad., DSc. – Bulgaria**

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Ville Leppanen (Finland)

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Iliya Georgiev (USA)

Trifon Ruskov (Bulgaria)

Olegas Vasilecas (Lithuania)

Douglas Harms (USA)

Leonid Rozenblyum (USA)

Jorge Ramio (Spain)

Timo Jarvi (Finland)

Ivan Jelinek (Czech Republic)

Novruz Allahverdi (Turkey)

Pino Caballero-Gil (Spain)

Michael Vassilakopoulos (Greece)

Janusz Jablonowski (Poland)

**◆ NATIONAL ORGANIZING COMMITTEE****• Co-Chairs:****Plamen Vatchkov, Assoc. Prof., Ph.D. – Bulgaria****Angel Smrikarov, Assoc. Prof., Ph.D. – Bulgaria****Bozhan Zhechev, Assoc. Prof., Ph.D. – Bulgaria****•Members:**

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Plamenka Borovska (Bulgaria)

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Nayden Vasilev (Bulgaria)

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Anatoliy Antonov (Bulgaria)

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Nikolai Liutov (Bulgaria)

Maria Kasheva (Bulgaria)

Daniela Dureva (Bulgaria)

Galina Bogdanova (Bulgaria)

Boyanka Zhelyazova (Bulgaria)

Georgi Tuparov (Bulgaria)

**Thursday 14<sup>th</sup> June 2007**

**08:30 – 14:30  
Main building, Hall 311-A  
Registration**

**15:00  
Hall A1**

## **OPENING**

**WELCOME**

Chair: **Angel Smrikarov**

## **PLENARY SESSION**

Chair: **Todor Stoilov**  
Co-chair: **Boris Rachev**

National Program for Accelerated Development of Information Society  
in Bulgaria

**Plamen Vachkov, Roumen Trifonov**

STATE AGENCY FOR INFORMATION TECHNOLOGIES AND COMMUNICATIONS, BULGARIA

Active Web Technologies

**Iliya Georgiev**

METRO STATE COLLEGE OF DENVER, USA

Test of the VoIP telephone network security policy

**Vesselin Iossifov**

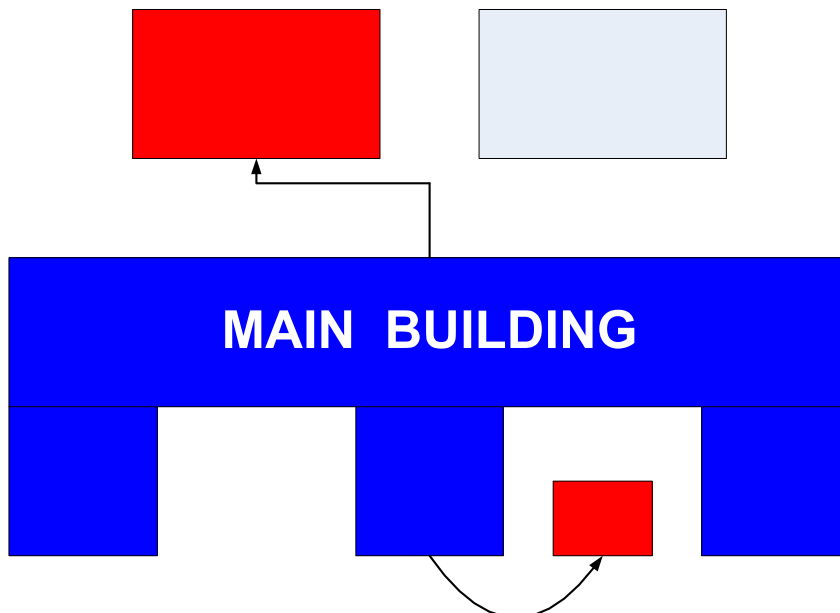
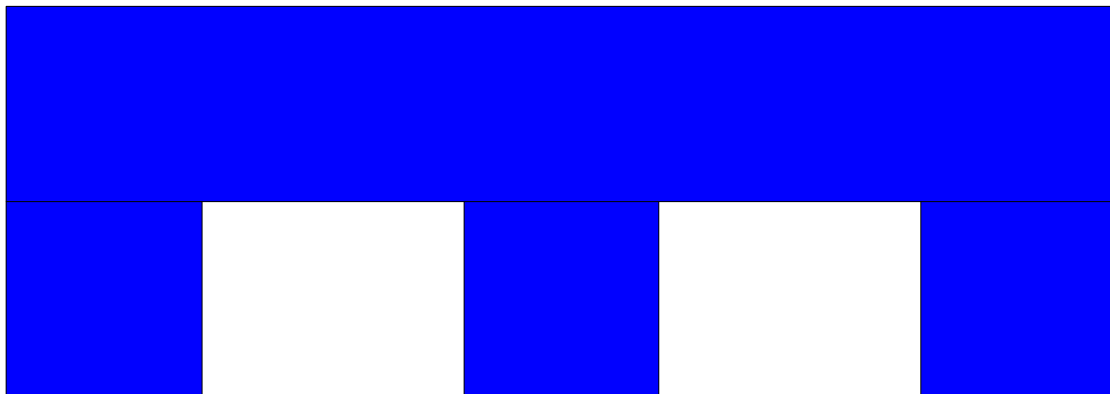
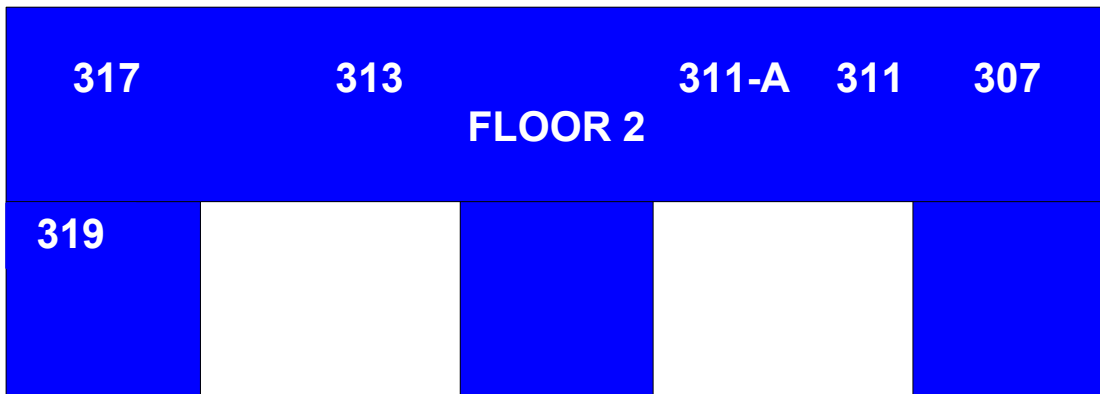
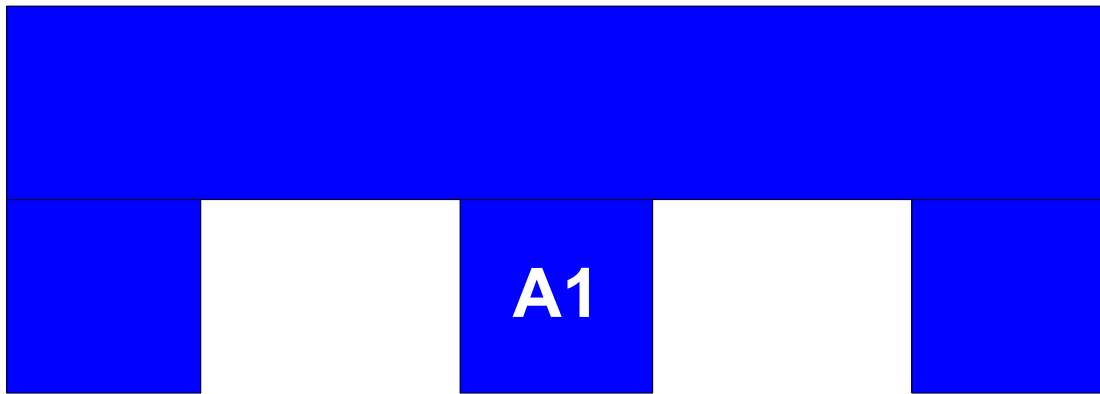
UNIVERSITY OF APPLIED SCIENCES OF BERLIN, GERMANY

**17:00**

**Sightseeing of the University of Rouse**

**19:30**

**Social Evening  
in the restaurant "Riga"**



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## SECTION 1

### Computer Systems (Hardware)

Chair: **Georgi Todorov**

Scientific Secretary: **Vladimir Dochev**

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**Friday 15<sup>th</sup> June 2007**

**09:00 – 10:00**

**Main building, Hall 307**

1. 1. MIMD implementation with PicoBlaze microprocessor  
**Pavel Zaykov**
1. 2. Improving the COWLS algorithm for hardware software co-synthesis of wireless client-server systems using preference vectors and peak power information  
**Mohammad Mehdi Hassani, Mehdi Yadollahi, Hamid Tavakolaie**
1. 3. Algorithmic realization of system for short-term weather forecasting  
**Ivan Simeonov, Hristo Kilifarev, Rajcho Ilarionov**
1. 4. MFC-program SFFViewer intended for visualization of FAX files compressed to SFF format  
**Galina Istatkova**

### DISCUSSIONS

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**11:00 – 11:30**

**Coffee Break**

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CompSysTech'08

## SECTION 2

### Computer Systems (Software)

Chair: **Plamenka Borovska**

Co-Chair: **Olegas Vasilecas**

Scientific Secretaries: **Aleksandar Dimov, Tzvetan Hristov**

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#### SECTION 2 - SESSION 1

Friday 15<sup>th</sup> June 2007

09:00 – 11:00

Main building, Hall 311

2. 1. A Tale of Three LR(1) Syntax Analyzers  
**Evtim Papushev, Stoyan Bonev**
2. 2. An Algorithm for the Automatic Transformation of Ontology Axioms into a Rule Model  
**Olegas Vasilecas, Diana Bugaite**
2. 3. Token-Based Adaptive Load Balancing for Dynamically Parallel Computations on Multicomputer Platforms  
**Plamenka Borovska, Milena Lazarova**
2. 4. Optimizing the Architecture of Distributed Shared Memory Systems in Real Time Applicatons  
**Evtim T. Peytchev, Mohamed A. Khalil**
2. 5. Simulation of Dynamic Priority Calculation for Multilevel Priority Queue  
**Ivaylo Atanassov**
2. 6. Building Ontologies from Relational Databases Using Reverse Engineering Methods  
**Olegas Vasilecas**
2. 7. Efficiency of Parallel Minimax Algorithm for Game Tree Search  
**Plamenka Borovska, Milena Lazarova**
2. 8. Efficiency of Parallel Metaheuristics for Solving Combinatorial Problems  
**Plamenka Borovska**

#### DISCUSSIONS

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11:00 – 11:30

Coffee Break

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#### SECTION 2 - SESSION 2

Friday 15<sup>th</sup> June 2007

11:30 – 13:30

Main building, Hall 311

2. 9. An Improvement of an Approach for Representation of Tree Structures in Relational Tables  
**Ivaylo Atanassov**
2. 10. Formal concept analysis and information systems modeling  
**Algirdas Laukaitis, Olegas Vasilecas**

- 2. 11. Reliability Models in Architecture Description Languages  
**Aleksandar Dimov, Sylvia Ilieva**
- 2. 12. Some Models of a Distributed Database Management Systems with Data Replication  
**Svetlana Vasileva, Petar Milev, Borislav Stoyanov**
- 2. 13. Implementation of Parallel Algorithm "Conveyer Processing" for Images Processing by Filter 'mean'  
**Atanaska Bosakova-Ardenska, Simeon Petrov, Naiden Vasilev**
- 2. 14. Automated generation of product catalogues in PDF format  
**Nikolaj Cholakov**
- 2. 15. Experimental Software Solution for E-Projects and E-Documents Management  
**Daniel Denev, Georgi Totkov, Rossitza Doneva, Nikolay Kasakliev**

### DISCUSSIONS

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**13:30 – 14:30**  
**Lunch**

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## SECTION 3A

### Application Aspects of Computer Systems and Technologies

Chairs: **Ludmil Dakovski, Novruz Allahverdi**

Co-Chairs: **Karl O. Jones, Grisha Spasov**

Scientific Secretaries: **Silian Arsov, Plamen Manoilov**

#### SECTION 3A - SESSION 1

Friday 15<sup>th</sup> June 2007

09:00 – 11:00

Main building, Hall 313

- 3A. 1. Fuzzy Expert System Design for Operating Room Air-Condition Control Systems  
**Ismail Saritas, Nazmi Etik, Novruz Allahverdi, Ibrahim Unal Sert**
- 3A. 2. Computational efficiency of inverse matrix evaluations  
**Krasimira Stoilova, Todor Stoilov**
- 3A. 3. Comparison of any Colony Optimisation and Differential Evolution  
**Karl O. Jones, Andre Bouffet**
- 3A. 4. Microcontroller Based Hypothermia System  
**Hakan Isik, I. Unal Sert, Nuri Yavru, Novruz Allahverdi**
- 3A. 5. On Search for Optimal Control in a Problem of Bio Technology  
**Antanas Žilinskas, Aušra Mackutė-Varoneckienė**
- 3A. 6. Simulation of a Deformable Human Body for Virtual Try-On  
**Tzvetomir Vassilev**
- 3A. 7. Applying a Data Mining Method for Intrusion Detection  
**Vera Marinova-Boncheva**
- 3A. 8. Performance Evaluation of Switched Ethernet as Communication Media in Controller Networks  
**Nikolay Kakanakov, Mitko Shopov, Grisha Spasov, Hristo Hristev**

#### DISCUSSIONS

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11:00 – 11:30

Coffee Break

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#### SECTION 3A - SESSION 2

Friday 15<sup>th</sup> June 2007

11:30 – 13:30

Main building, Hall 313

- 3A. 9. Explicit approximate nonlinear predictive control based on neural network models  
**Alexandra Grancharova, Jus Kocijan, Tor A. Johansen**

- 3A. 10. Decoding Efficiency of the MAP and the Max-Log MAP Algorithm as a Strategy in Anomaly-Based Intrusion Detection Systems  
**Veselina Zhecheva, Evgeniya Nikolova**
- 3A. 11. Reverse modeling of a diesel engine performance by FCM and ANFIS  
**Kemal Tutuncu, Novruz Allahverdi**
- 3A. 12. Advanced Microprocessor System with Serial Memory for Harvester Testing  
**Lachezar Yordanov, Miroslav Mihaylov, Vladimir Vitkov**
- 3A. 13. Modeling and Simulation of Local Epidemics  
**Ivan Krivy**
- 3A. 14. Example of Communication between Distributed Network Systems Using Web Services  
**Martin Tsenov**
- 3A. 15. Design of a Fuzzy Expert System for Determination of Coronary Heart Disease Risk  
**Novruz Allahverdi, Serhat Torun, Ismail Saritas**
- 3A. 16. Digital Watermarking of Bitmap Images  
**Eugene P. Genov**
- 3A. 17. Integrated Information System Based on Web Services  
**Krasimir Trichkov, Elisaveta Trichkova, Elena Ivanova**

### DISCUSSIONS

13:30 – 14:30  
Lunch

### SECTION 3A - SESSION 3

Friday 15<sup>th</sup> June 2007

14:30 – 16:30

Main building, Hall 313

- 3A. 18. Application and Statistic Testing of the 5-adic Summation-Shrinking Generator  
**Borislav Stoyanov, Borislav Bedzhev, Todor Tashev, Svetlana Vasileva**
- 3A. 19. Computer-Based Plagiarism Detection Methods and Tools: An Overview  
**Romans Lukashenko, Vita Graudina, Janis Grundspenkis**
- 3A. 20. A Simulation Model of an optical communication CDMA system  
**Aleksandar Milev, Chavdar Minchev**
- 3A. 21. Principles for the Realization of a Graphical User Interface for a Tutorial System  
**Rodica Mihalca, Adina Uta, Anca Andreescu, Iulian Intorsureanu**
- 3A. 22. BCI Control Protocol Pseudocode  
**Plamen Manoilov**
- 3A. 23. Computer Simulation of Rare Event for M/M/1/N Queuing System  
**Dimitar Radev, Elena Rashkova**
- 3A. 24. The Concept for Gaussian Process Model Based System Identification Toolbox  
**Juš Kocijan, Kristijan Ažman, Alexandra Grancharova**
- 3A. 25. Dimensional Hierarchies - Implementation in Data Warehouse Logical Scheme Design  
**Anna Rozeva**
- 3A. 26. A Refinement Model with Information Granulation Focused on Difficult to Distinguish Cases  
**Plamena Andreeva, Plamen Andreev, Maya Dimitrova, Petia Radeva**

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## SECTION 3B

### Application Aspects of Computer Systems and Technologies

Chairs: **Stoicho Stoichev, Heinz-Dietrich Wuttke**  
Co-Chairs: **Antonella Reitano, Peter Antonov**  
Scientific Secretaries: **Svetlin Petrov, Irena Valova**

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#### SECTION 3B - SESSION 1

Friday 15<sup>th</sup> June 2007

09:00 – 11:00

Main building, Hall 317

- 3B. 1. The Generalized Shrinking-Multiplexing Generator  
**Todor Tashev, Borislav Bedzhev, Zhaneta Tasheva**
- 3B. 2. Competitive Analysis of Software Solutions for Business Organizations  
**Marina Mladenova, Boyanka Zhelyazova**
- 3B. 3. Development of the Attack against RSA with Low Public Exponent and Related Messages  
**Peter Antonov, Valentina Antonova**
- 3B. 4. An Interface System Based on Multimodal Principle for Cardiological Diagnosis Assistance  
**Maya Dimitrova, Chavdar Roumenin, Siya Lozanova, Lubomir Lahchev, David Rotger, Petia Radeva**
- 3B. 5. Eye-Blinking Artefacts Analysis  
**Plamen Manoilov**
- 3B. 6. Computer-Mathematical Modeling of one Class Investment Processes, Based on Optimal Singular Adaptive M3a1n Computer Observer-Part I  
**Stela Sotirova, Lyubomir Sotirov**
- 3B. 7. Computer-Mathematical Modelling of one Class Investment Processes, Based on Optimal Singular Adaptive M3a1n Computer Observer-Part II  
**Stela Sotirova, Lyubomir Sotirov**
- 3B. 8. The Period of the LFSR Based Generalized Shrinking-Multiplexing Generator  
**Todor Tashev**

#### DISCUSSIONS

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11:00 – 11:30

Coffee Break

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**SECTION 3B - SESSION 2**Friday 15<sup>th</sup> June 2007

11:30 – 13:30

Main building, Hall 317

- 3B. 9. A Method for Ontologies Structures and Contents Comparison  
**Radek Jun, Ivan Jelínek**
- 3B. 10. Shopping robots and e-commerce  
**Antonella Reitano**
- 3B. 11. Approximate Parameter Estimation for Mixtures of Vector Autoregressive Stationary Time Series Models  
**Dimiter Petrov, Dimiter Tsvetkov, Lyubomir Hristov**
- 3B. 12. Parameter Estimation for Finite Mixtures of Partial Credit Models  
**Dimiter Tsvetkov, Lyubomir Hristov**
- 3B. 13. Relations between XML technology and CIM informational schema  
**Todor Stoilov, Nikola Lyutov**
- 3B. 14. Education on Computer Networks in South-West University  
**Valentin Hristov, Firas Ibrahim**
- 3B. 15. Parking Access and Revenue Control System  
**Svetlana Stefanova**
- 3B. 16. An analytical model for evaluating utilization of tcp reno  
**Mohammad Mehdi Hassani , Reza Berangi**
- 3B. 17. Parameter Estimation for Finite Mixtures of Generalized Partial Credit Models  
**Lyubomir Hristov, Dimiter Tsvetkov**

**DISCUSSIONS**

13:30 – 14:30

Lunch

**SECTION 3B - SESSION 3**Friday 15<sup>th</sup> June 2007

14:30 – 16:30

Main building, Hall 317

- 3B. 18. Comparative analysis of Hurst techniques  
**Mitko Gospodinov, Evgeniya Gospodinova**
- 3B. 19. An Approach for MPLS Recovery  
**Svetlin Petrov**
- 3B. 20. Null Spaces and Haar Transform  
**Bozhan Zhechev**
- 3B. 21. Simulation of working capacity and functional parameters of computer networks  
**Alexander Tzokev, Irina Topalova, Radoslav Miltchev**
- 3B. 22. Computer Modeling of Watershed Runoff with Data for the Mesta River  
**Rossen Iliev, Emil Bournazki, Leoneed Kirilov, Ivan Terziev**
- 3B. 23. An Example of Oracle© WfMS Upgrade for the Purpose of Document Management  
**Kovačević Milovan, Putnik Zoran, Budimac Zoran, Ivanović Mirjana**
- 3B. 24. Knowledge Representation in Systems with Natural Language Interface  
**Diana Grigorova, Nikolay Nikolov**

- 3B. 25. Testing Tool Set for Space On- Board Working Device Units  
**Dichko Bachvarov, Bojan Kirov, Georgi Stanev, Romyana Krasteva, Ani Boneva, Veselin Georchev**
- 3B. 26. Software for Devices Based on Thermochron IBUTTON™ Technology  
**Georgi Krastev, Margarita Teodosieva**

**DISCUSSIONS**

CompSysTech'08

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## SECTION 4

### Educational Aspects of Computer Systems and Technologies

Chairs: **Georgi Totkov, Douglas Harms**

Co-chairs: **Juliana Peneva, Markus Helfert**

Scientific Secretaries: **Orlin Tomov, Elena Yakimova**

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#### SECTION 4 - SESSION 1

Friday 15<sup>th</sup> June 2007

09:00 – 11:00

Main building, Hall 319

4. 1. Upskilling to Object-Oriented Software Development with the Unified Modeling Language  
**Georgi Tuparov, Petia Asenova, Juliana Peneva, Stanislav Ivanov**
4. 2. Methodology for mobile devices characteristics recognition  
**Evgeniya Georgieva, Tsvetozar Georgiev**
4. 3. Searching the internet for learning materials through didactic indicators  
**Marco Alfano, Biagio Lenzitti**
4. 4. Evaluating Information Systems and Business Informatics Curriculum  
**Markus Helfert, Howard Duncan**
4. 5. Measuring Student Attitudes to Computer Assisted Language Learning  
**Anelly Kremenska**
4. 6. Research and Development of Teaching Software Engineering Processes  
**Eduardas Bareisa, Eimutis Karciauskas, Eugenijus Macikenas, Kestutis Motiejunas**
4. 7. Concept for Reconstruction of MUS Portal into UESIE via Creation of New University Hardware Modular Integral System  
**Alexey Alexeev**
4. 8. Distance Learning Courses in Computer Science – Initiation and Design  
**Stanislav Ivanov, Juliana Peneva**
4. 9. Books vs. e-material. What is the deal?  
**Ásrún Matthíasdóttir, Þóra Halldórsdóttir**

#### DISCUSSIONS

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11:00 – 11:30

Coffee Break

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**SECTION 4 - SESSION 2****Friday 15<sup>th</sup> June 2007****11:30 – 13:30****Main building, Hall 319**

- 4. 10. Modifying Teaching to Address Thinking Styles  
**Karl O. Jones, Juliet M. V. Reid**
- 4. 11. Test System in Digital Logic Design Virtual Laboratory – Tasks Delivery  
**Vladimir Mateev, Svilena Todorova, Angel Smrikarov**
- 4. 12. Using MS Reporting Services to Promote Reuse of Learning Objects  
**Valentina Terzieva, Katia Todorova**
- 4. 13. A Case Study in Introductory Programming  
**Janusz Jabłonowski**
- 4. 14. A Brief Comparison of Technologies Available in the Computer Science Classroom  
**Douglas Harms**
- 4. 15. Visualization in Education of Theoretical Computer Science  
**Chuda Daniela**
- 4. 16. .NET technologies in e-learning education  
**Ognian Nakov, Dessislava Petrova**
- 4. 17. An exercise practicing module on web programming electronic courses  
**Yuri Hopteriev**
- 4. 18. Technology Enhanced Language Learning: Student Motivation in Computer Assisted Language Learning  
**Anelly Kremenska**

**DISCUSSIONS**

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**13:30 – 14:30****Lunch**

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**SECTION 4 - SESSION 3****(PhD Students Session)****Friday 15<sup>th</sup> June 2007****14:30 – 15:30****Main building, Hall 319**

- 4. 19. An environment to improve programming education  
**Anabela Gomes, António José Mendes**
- 4. 20. A tool to help students to develop programming skills  
**Cristiana Areias, António José Mendes**
- 4. 21. Accumulative Question Types in e-Learning Environment  
**Mariyana Sokolova, Georgi Totkov**
- 4. 22. Exploring Environments for Creation of e-Learning Simulators  
**Orlin Tomov, Angel Smrikarov**
- 4. 23. Mobile learning and integration of advanced technologies in education  
**Korneliya Yordanova**
- 4. 24. Ethical Aspects of Informatics  
**Putnik Zoran, Ivanović Mirjana, Budimac Zoran**
- 4. 25. Integration of Knowledge management and E-learning common features  
**Korneliya Yordanova**



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## SECTION 5

### Biometrics

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Chair: **Georgi Gluhchev**

Co-chair: **Nikola Pavešić**

Scientific Secretaries: **Strahil Sokolov**

**Friday 15<sup>th</sup> June 2007**

**11:30 – 13:30**

**Main building, Hall 307**

5. 1. Class-dependent feature weights evaluation  
**Georgi Gluhchev, Mladen Savov, Ognian Boumbarov**
5. 2. CBIR Approach to the Recognition of a Sign Language Alphabet  
**Dimo Dimov, Alexander Marinov, Nadezhda Zlateva**
5. 3. Comparison of PCA -, MDF -, and RD-LDA - based Feature Extraction Approaches for Hand-based Personal Recognition  
**Nikola Pavešić, Slobodan Ribarić, Benjamin Grad**
5. 4. An Improving Model Watermarking with Iris Biometric Code  
**George Varbanov, Peter Blagoev**
5. 5. Fingerprint template identification based on parallel computing  
**Dorin Carstoiu, Alexandra Cernian, Cristian Guef, Stefan Bodea**
5. 6. Tree-Like Index Structures for Multimedia Data  
**Vladimir Dimitrov**
5. 7. Combined Face Recognition Using Wavelet Packets and Radial Basis Function Neural Network  
**Ognian Boumbarov, Strahil Sokolov, Georgy Gluhchev**

### DISCUSSIONS

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**13:30 – 14:30**

**Lunch**

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CompSysTech'08

## SECTION 6

### For PhD Students

Chairs: **Vladimir Lazarov, Leon Rothkrantz**  
Co-chairs: **Lidiya Georgieva, Amar Ramdane-Cherif**  
Scientific Secretaries: **Galina Ivanova, Teodor Iliev**

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#### SECTION 6 - SESSION 1

Friday 15<sup>th</sup> June 2007

09:00 – 11:00

Main building, Hall 407

- 6.1. A Compact Aspect-Based Security Monitor for J2ME Applications  
**Sanna Tuohimaa, Ville Leppanen**
- 6.2. Fuzzy Representation for Classification of Basic Bruise Colours  
**Tatyana Dimitrova, Lidiya Georgieva**
- 6.3. External views on class cohesion  
**Sami Mäkelä, Ville Leppänen**
- 6.4. Learning and classification with prime implicants applied to medical data diagnosis  
**Zekie Shevked, Ludmil Dakovski**
- 6.5. Service Quality of Multimedia Streams and Objects  
**Jordan Shterev, Margarita Todorova**
- 6.6. A study of turbo codes for UMTS third generation cellular standard  
**Teodor Iliev**
- 6.7. Analysis and experimental study of an algorithm for automatic assignment of reviewers to papers  
**Yordan Kalmukov**
- 6.8. Protein Structure Similarity Detection Using Alignment of Secondary Structure Elements and Their Geometric Properties  
**Dobrinka Petrova, Stoicho Stoichev**

#### DISCUSSIONS

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11:00 – 11:30

Coffee Break

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#### SECTION 6 - SESSION 2

Friday 15<sup>th</sup> June 2007

11:30 – 13:30

Main building, Hall 407

- 6.9. Critical transfer issues in QoS-C architecture models and session-based communication  
**Vanya Topalova**

- 6.10. Workflow execution platforms interacting with the Network Components over SNMP  
**Simeon Tsvetanov**
- 6.11. Semantic web access prediction  
**Lenka Hapalová, Ivan Jelínek**
- 6.12. Software modeling of stochastic climatic processes  
**Katerina Gabrovska**
- 6.13. Facial Expression Recognition in still pictures and videos using Active Appearance Models. A comparison approach.  
**Dragos Datcu, Leon Rothkrantz**
- 6.14. Computer System for Investigation of the Fuel Economy of Mobile Machines  
**Gamal Said, Angel Smrikarov, Todor Delikostov, Dimitar Stanchev**
- 6.15. Results of the Computer Simulation of the Fuel Consumption of Automobiles in Acceleration Process  
**Gamal Said, Angel Smrikarov, Tsvetozar Georgiev, Dimitar Stanchev**
- 6.16. Synthesize a simple algorithm to determine the weighted distance spectrum of turbo codes  
**Teodor Iliev**

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## DISCUSSIONS

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**13:30 – 14:30**  
**Lunch**

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### SECTION 6 - SESSION 3

**Friday 15<sup>th</sup> June 2007**

**14:30 – 16:30**

**Main building, Hall 407**

- 6.17. Applying of Pre-processing Techniques in Bruise Images  
**Tatyana Dimitrova, Lidiya Georgieva**
- 6.18. Implementing and Improving a Method for Non-Invasive Elicitation of Probabilities for Bayesian Networks  
**Martinus de Jongh, Marek Druzdzel, Leon Rothkrantz**
- 6.19. Peer-to-Peer Semantic Web Search  
**Tomas Havryluk, Ivan Jelinek**
- 6.20. An analytical model for evaluating utilization of TCP TAHOE using markovian model  
**Mohammad Mehdi Hassani, Reza Berangi**
- 6.21. Real-Time Estimation of Multivariate Dynamic Time-Varying Market Representations  
**Alexanred Efremov**
- 6.22. Increasing the performance of an application for duplication detection  
**Plamen Paskalev, Anatoliy Antonov**
- 6.23. Software testing using imprecise OCL constraints as oracles  
**Šarūnas Packevičius, Andrej Ušaniov, Eduardas Bareiša**
- 6.24. Ontology-based Approach to Adaptation  
**Tomas Kadlec, Ivan Jelinek**
- 6.25. Object-Oriented Analysis and Design Using UML of a Test "Rotation with Sample"  
**Anelia Popandreeva**

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## WORKSHOP

### **v(HDL) - very High Description Language as a Tool for Creating of Hardware**

Chair: **Philip Philippov**

Co-chair: **Marin Hristov**

Scientific Secretaries: **Nikolai Kostadinov, Ivan Panajotov**

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**Friday 15<sup>th</sup> June 2007**

**10:00 – 11:00**

**Main building, Hall 307**

Liaison between SoP and v(HDL)

**Koljo Onkov, Ivan Evgeniev**

Teaching VHDL for Students in Computing at the University of Rousse

**Nikolai Kostadinov**

### **DISCUSSIONS**

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**11:00 – 11:30**

**Coffee Break**

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**Friday 15<sup>th</sup> June 2007  
16:30  
Main building, Hall 311**

**The chairs  
of the PROGRAMME COMMITTEE and the ORGANIZING COMMITTEE  
will bestow  
a CRYSTAL PRIZE  
to the authors of the best papers.**

**Friday 15<sup>th</sup> June 2007  
17:00  
Main building, Hall 311**

**Meeting  
of the PROGRAMME COMMITTEE and ORGANIZING COMMITTEE  
and the chairs of each sections  
of the CompSysTech'07**