

Thursday, 15th September 2011

Official Session (13:30 – 17:45)

13:30 – 14:00 Conference Opening

Conference Opening and Introduction

Prof. Dr. Radi Romansky (Bulgaria)

25th Anniversary of the SAER Conference (Brief History, Memories and Welcome Speeches)

Prof. Dencho Batanov (Cyprus); Assoc. Prof. Vassil Furnadjiev (Bulgaria), Dr. Ivan Tashev (USA)

14:00 – 15:00 Plenary Session (First Part)

Chairmen: Prof. Dr. Radi Romansky (Bulgaria)
Prof. Dr. Luis Durao Barroso (Portugal)

- PL01 Sequence Alignment Application Model for Multi- and Manycore Architectures
Sebastian Isaza, Ernst Houtgast, Georgi Gaydadjiev (The Netherlands)
- PL02 Use Cases as Modules in the Process of Building the System Object Model
Dencho Batanov (Cyprus)

15:00 – 15:30 Group Photo and Coffee Discussion

15:30 – 17:30 Plenary Session (Second Part)

Chairmen: Prof. Dr. Luis Durao Barroso (Portugal)
Prof. Dr. Radi Romansky (Bulgaria)

- PL03 Data Protection in e-Government Services
Emilo Aced-Félez (Spain)
- PL04 Electronic Data Interchange: from its Birth to its New Role in Logistics Information Systems
Gerrit Janssens (Belgium)
- PL05 Implementation Problems for Programme Components Parallelism in Distributed Environment
Vassil Furnadjiev (Bulgaria)
- PL06 Recent Advances in Human-Machine Interfaces for Gaming and Entertainment
Ivan Tashev (USA)

20:00 – 23:00 Official Conference Dinner (Cocktail)

25th Anniversary of the SAER Conference

Friday, 16th September 2011

Section “C”: 25th Int'l Conf. SAER-2011 (09:00 – 16:30)

09:00 – 10:30 Report Session

Chairman: Assoc. Prof. Dr. Vassil Fournadjiev (Bulgaria)

Sub-section “C1”: Information Technologies and Applications

- C101 **Integrated Approach to IEC/ISO 2000 Adoption based on ITIL V3 Framework in the Case of Macedonian Companies**
Atanas Iliev, Igor Kitanovski (Macedonia)
- C102 **Methods for Creation of Enterprise Architecture**
Hristo Tujarov, Stefan Kalchev, Vassil Milev (Bulgaria)
- C103 **The “Building Blocks” Concept Using for Modeling Data**
Vassil Milev (Bulgaria)
- C104 **Risk Management and Application of HardFibber Process Bus System**
A. Petrovski, V. Fustik*, N. Kiteva Rogleva*, Goran Leci** (*Macedonia, **Croatia)*
- C105 **Functional Requirements for Electronic Highway and Risk Analysis for Data Management**
V. Fustik, A. Petrovski*, N. Kiteva Rogleva*, G. Leci** (*Macedonia, **Croatia)*

10:30 – 11:00 Poster Session and Coffee Discussion

Chairwoman: Assoc. Prof. Dr. Irina Noninska (Bulgaria)

Sub-section “C2”: Information Security and Networking

- C204 **Text Data-Hiding Algorithm**
Nenad Vesic, Dusan Simjanovic (Serbia)
- C205 **Implementation of Adaptive Mechanism with Aggregation and Fragment Retransmission for 802.11 Wireless Networks**
Valentin Hristov (Bulgaria)
- C206 **Modeling of VoIP Service**
Irina Noninska (Bulgaria)

Sub-section “C3”: Automation of System Design and System Investigation

- C305 **Reliability Assessment of Safety-Critical Embedded Software Systems**
Aleksandar Dimov (Bulgaria)
- C306 **Downscaling Meteosat Second Generation Thermal Infrared Imagery**
Stavros Kolios, George Georgoulas, Chrisostomos Stylios (Greece)
- C307 **Evaluation of Characteristic Parameters of Dynamic Models**
Kaloyan Yankov (Bulgaria)
- C308 **Model for Management of Recoursconsumption in Multistage Technology with Periodic Processes in Chemical and Biomechanical Industries**
Dragomir Dobrudzhaliev, Boyan Ivanov (Bulgaria)

Section “W1”: Technological Aspects of e-Governance and Data Protection

- W107 **The Digital Agenda Towards Europe 2020**
George Stylios (Greece)

W108 Personal Data Protection and the New Technologies
Stanimir Tsolov (Bulgaria)

11:00 – 12:40 Report Session

Chairman: Dr. Ivan Tashev (USA)

Sub-section "C1": Information Technologies and Applications (Bioinformatics)

C106 Gene Prediction Using the LZW Data Compression Algorithm
Valeria Staneva, Galina Momcheva-Gyrdeva (Bulgaria)

Sub-section "C2": Information Security and Networking

C201 Security Services of Mobile Telemetry Application Protocol
Elitsa Gospodinova, Ivaylo Atanasov, Evelina Pencheva (Bulgaria)

C202 ICT Security Risk Management
Biljana Bliznakovska (Macedonia)

C203 Adaptive Anomaly-Based Intrusion Detection System
Ljupco Vangelski, Ivan Chorbev, Dragan Mihajlov (Macedonia)

12:40 – 14:00 Lunch Break

14:00 – 16:30 Report Session

Chairwoman: Prof. D.Sc. Ketty Peeva (Bulgaria)

Sub-section "C3": Automation of System Design and System Investigation

C301 Indirect Method for Retrieving, Storing and Exchange of Big Amount of Raw Data in Distributed Software Systems
Ventseslav Shopov, Vanya Markova (Bulgaria)

C302 Simplifying Trigonometric Expressions using Heuristic
Todor Markov (Bulgaria)

C303 Boolean Satisfiability Problem
Momchil Peychev Varna (Bulgaria)

C304 Protein Sequence Analysis
Khubaib Ahmed Qureshi, Faraz Zaidi, Muhammad Yousuf, Saad Riaz (Pakistan)

Sub-section "C4": Intelligent Systems and Knowledge-Based Applications

C401 Fuzzy Modelling of Software Reliability Growth
Olga Georgieva (Bulgaria)

C402 Using Ontology Lifting for Knowledge Extraction from Structured Data
Ivo Marinchev (Bulgaria)

C403 Comparative Analysis of Algorithms for Learning in Autonomous Mobile Sensor Agent
Vanya Markova, Ventseslav Shopov (Bulgaria)

16:30 Conference InfoTech-2011 Closing

Friday, 16th September 2011**Section “W1”: 7th Intl Workshop’eG&DP-2011 (09:00 – 10:30)****09:00 – 10:30 Report Session**

Chairman: *Emilo Aced-Félez (Spain)*

- W101 Technological Innovations for Integrated Government Services
Maria Nikolova (Bulgaria)
- W102 Visualization as Decision Support System Technology in the Local Government Services
Snezana Savoska, Violeta Manevska (Macedonia)
- W103 The Integrated Environment for e-Documents Exchange Presented by the Reference Model for Applied Architecture
Roumen Trifonov, Slavcho Manolov (Bulgaria)
- W104 Specific Information Security Problems for e-Government Applications
Slavcho Manolov, Roumen Trifonov (Bulgaria)
- W105 Planning for PKI within the Educational Environment
Marius Marian (Romania)
- W106 Comparative Analysis of the Trends in Using of ICT for Policy Modeling
Boyan Jekov, Roumen Trifonov, Irina Vassileva (Bulgaria)

10:30 – 11:00 Poster Session and Coffee Discussion

- W107 The Digital Agenda Towards Europe 2020
George Stylios (Greece)
- W108 Personal Data Protection and the New Technologies
Stanimir Tsolov (Bulgaria)

16:30 Conference InfoTech-2011 Closing

Friday, 16th September 2011

Section “W2”: 1st Int'l Workshop HCIE LS-2011 (11:00 – 16:30)

10:30 – 11:00 *Poster Session and Coffee Discussion*

11:00 – 12:40 *Report Session (1)*

Chairman: Assoc. Prof. Dr. Dimitar Tsanev (Bulgaria)

- W201 **Button Accessibility Interfaces for the Brain-Injured and Other Disabled Users**
Paul Gnanayutham, Jason Colman (United Kingdom)
- W202 **Researching Emerging Technologies and Environments in Support of New Learning Scenarios**
Malinka Ivanova, Steve Wheeler** (*Bulgaria, **United Kingdom)*
- W203 **E-Assessment for Adaptable Personal Learning**
Lilyana Nacheva-Skopalic, Steve Green** (*Bulgaria, **United Kingdom)*
- W204 **Experience and best Practices in Using e-Learning Systems in the University of Forestry**
Radoslav Miltchev, Boyanka Zhelyazova (Bulgaria)
- W205 **OWLearn: An Open Source e-Learning Platform Supporting Adaptivity, Personalization and Mobile Learning**
Dimitrios Tsolis, Paraskevi Christia, Soultana Kampana, Athanasios Tsakalidis (Greece)

12:40 – 14:00 *Lunch Break*

14:00 – 16:30 *Report Session (2)*

Chairwoman: Dr. Malinka Ivanova (Bulgaria)

- W206 **Social Sensor Design for Embedded Systems**
Maya Dimitrova (Bulgaria)
- W207 **Remote FPGA Lab**
Pavlinka Radoyska, Nadejda Spasova (Bulgaria)
- W208 **Conceptual Model of Semantically-Rich PLE-Development Environment**
Tatyana Ivanova (Bulgaria)
- W209 **The Semantic Web and it's Applications**
Dimitar Vuldzhev (Bulgaria)
- W210 **The Development of Learning Management Systems (Egypt Case Study)**
Mohamed Mostafa Mohamed, Emad Eid, Ehab Eid (Egypt)
- W211 **Intelligent System for Human Detection and Tracking**
Khubaib Ahmed Qureshi, Muhammad Kashif Khan, Muhammad Yousuf, Saad Riaz Ahmed (Pakistan)

16:30 *Conference InfoTech-2011 Closing*