DepCoS - RELCOMEX 2015 Programme

Monday  (29.06.15)
16.00 -  Registration
19.30 -  Welcome drink
19.40 -  Welcome dinner

Tuesday  (30.06.15)
8.30- 9.15  Breakfast
9.30- 9.40  Introduction and Welcoming Remarks
9.40- 10.50 Invited speakers
10.50-11.20 Coffee break
11.20-12.00 CrISS Workshop I
12.00-13.00 Session 1
13.15-14.15 Lunch
14.30-16.00 Session 2 and CrISS Workshop II
16.00-16.30 Coffee break
16.30-17.30 Session 3 and CrISS Workshop III
17.30-18.00 Coffee break
18.00-19.00 Session 4
19.30-   Banquet

Wednesday  (1.07.15)
8.00- 8.45  Breakfast
9.00-18.30 Excursion
19.00-   Dinner (barbecue)

Thursday  (2.07.15)
8.30- 9.15  Breakfast
9.30-11.00 Session 5
11.00-11.30 Coffee break
11.30-13.00 Session 6 and 7
13.15-14.15 Lunch
14.30-16.00 Session 8
16.00-16.30 Coffee break
16.30-18.00 Session 9
19.00-   Dinner

Friday  (3.07.15)
8.00- 8.45  Breakfast
9.00- 9.15  Closing ceremony
9.30-   Departure
Invited speakers

Nikolay Rogalev: Modern problems of energetics
Huadong MO, Min Xie: Modeling and reliability analysis of digital networked systems subject to degraded communication networks

CrISS Workshop I – Vyacheslav Kharchenko

Vyacheslav Kharchenko: Introduction and Welcoming Remarks
Radiy: FPGA-Based Platforms for NPP I&Cs and Energy Critical Gri
Tobii: Eye Tracker Technology for Human and Critical Applications

CrISS Workshop II – Chen De-Jiu

Oleksandr Potii, Oleg Illiashenko, Dmitry Komin: Advanced security assurance case based on ISO/IEC 15408
Elena Zaitseva, Vitaly Levashenko, Miroslav Kvassay, Jozef Kostolny: New parallel algorithm for the calculation of importance measures
Vyacheslav Kharchenko, Yuriy Ponochovnyi, Artem Boyarchuk, Anatoliy Gorbenko: Secure hybrid clouds: analysis of configurations energy efficiency
Ivan Malynyak: Reducing complexity methods of safety-related system

CrISS Workshop III – Elena Zaitseva

Andrzej Bialas: Critical infrastructures risk manager
Chen De-Jiu, Fredrik Asplund, Kenneth Östberg, Vyacheslav Kharchenko, Eugene Brezhniev: Towards An Ontology-Based Approach to Safety Management in Cooperative Intelligent Transportation Systems
Inna Skarga-Bandurova, Maxim Nesterov, Yan Kovalenko, Oleksandr Ryazantsev: A group decision support technique for critical IT-infrastructures
Closing remarks

Session 1: General aspects of dependability – Wojciech Zamojski

Wlodek Zuberek: Symbolic analysis of timed Petri nets
Victor Toporkov, Anna Toporkova, Alexey Tselishchev, Dmitry Yemelyanov Yemelyanov, Petr Potekhin: Ranking and Cyclic Job Scheduling in QoS-guaranteed Grids
Bogumila Hnatkowska, Zbigniew Huzar, Iwona Dubielewicz, Lech Tuzinkiewicz: Development of domain model based on SUMO ontology
Session 2: Internet – Wlodek Zuberek

Tomasz Andrysiak, Łukasz Saganowski: Network Anomaly Detection based on Statistical Models with Long-Memory Dependence
Krzysztof Cabaj, Konrad Grochowski, Piotr Gawkowski: Practical problems of Internet threats analyses
Dariusz Caban, Tomasz Walkowiak: Risk Assessment of Web Based Services
Wojciech Pilkulski, Krzysztof Sacha: Freshness constraints semantics of RT Framework credentials,
Henryk Piech, Grzegorz Grodzki, Aleksandra Ptak: The modeling algorithm of communication run operations in a network

Session 3: Applications – Victor Toporkov

Aneta Poniszewska-Maranda, Roksana Rutkowska: Access control approach in public software as a service cloud
Marcin Kubacki, Janusz Sosnowski: Performance issues in creating cloud environment
Salim Boukebbab, Mohamed Salah Boulahlib: The spatial interactions using the gravity model: application at the evaluation of transport efficiency at Constantine city, Algeria

Session 4: Software testing – Min Xie

Anna Derezinska, Piotr Trzpil: Mutation Testing Process Combined with Test-Driven Development in .NET Environment
Ilona Bluemke, Anna Stepień: Experiment on Defect Prediction
Magdalena Wróbel: Models for estimating the execution time of software loops in parallel and distributed systems

Session 5: Logistics and transport – Mirosław Siergiejczyk

Michał Lower, Anna Lower: Evaluation of the location of the P&R facilities using fuzzy logic rules
Marcin Plewa, Robert Giel, Marek Młyńczak: Logistic support model for the sorting process of selectively collected municipal waste
Mateusz Zajac, Justyna Swieboda: An unloading work model at an intermodal terminal
Tomasz Nowakowski, Agnieszka Tubis, Sylwia Werbińska-Wojciechowska: Maintenance decision making process a case study of passenger transportation company
Jacek Mazurkiewicz, Antoni Buszta: Climate Changes Prediction System Based on Weather Big Data Visualisation

Session 6: Technical aspects of dependability – Andrzej Białas

Andre Oliveira, Rosana Braga, Paulo Cesar Masiero, Yiannis Papadopoulos, Ibrahim Habli, Tim Kelly: Supporting the Automated Generation of Modular Product Line Safety Cases
Franciszek Restel: Defining states in reliability and safety modelling
Manel TEKAYA, Mohamed Taha BENNANI, Mohamed Abidi Allagui: Aspect-oriented test inputs generation from Matlab/Simulink models
Jaroslaw Sugier: Popular FPGA device families in implementation of cryptographic algorithms
Giannis Stamoulis, Agapios Platis, Vasilis Koutras: Planning of electric power distribution networks with reliability criteria
Session 7: ITS and transport system modelling – Irina Yatskiv

Irina Yatskiv, Vaira Gromule, Irina Pticina: Analysis of Different Aspects of Infomobility for Public Transport in Latvia

Alexander Grakovski, Sergey Kamenchenko: Increased Safety of Data Transmission for "Smart" Applications in the Intelligent Transport Systems

Dmitry Pavlyuk: Spatial allocation of bus stops: advanced econometric modelling

Mihails Savrasovs: Macroscopic transport model as a part of traffic management center: technical feasibility study

Irina Yatskiv, Elena Yurshevich: Data Actualization Using Regression Models in Decision Support System for Urban Transport Planning

Session 8: Air transport – Marek Młyńczak

Mirosław Siergiejczyk, Adam Rosiński, Karolina Krzykowska: Reliability assessment of integrated airport surface surveillance system

Paulina Stańczyk, Anna Stelmach: Selected aspects of modeling the movement of aircraft in the vicinity of the airport with regard to emergency situations

Artur Kierzkowski, Tomasz Kisiel: Functional readiness of the security control system at an airport with single-report streams

Artur Kierzkowski, Tomasz Kisiel: Functional readiness of the check-in desk system at an airport

Michał Lower, Wojciech Tarnawski: Quadrotor navigation using the PID and neural network controller

Session 9: Dependability of software – Jacek Mazurkiewicz

Bogumila Hnatkowska, Piotr Mazurek: Verification of UML class diagrams against business rules written in natural language

Marek Stawowy, Zbigniew Kasprzyk: Identifying and simulation of status of an ict system using rough sets

Urszula Kużelewska, Krzysztof Wichowski: A modified clustering algorithm DBSCAN used in a collaborative filtering recommender system for music recommendation

Mieczysław Drabowski: Boltzmann tournaments in evolutionary algorithm for CAD of complex systems with higher degree of dependability

Maciej Zbierski: Cost-aware request batching for Byzantine fault-tolerant replication