DepCoS - RELCOMEX 2014 Programme

Monday (30.06.14)
16.00 - Registration
19.30 - Welcome drink
19.40 - Welcome dinner

Tuesday (1.07.14)
8.30 - 9.15 Breakfast
9.30 - 9.45 Introduction and Welcoming Remarks
9.45 - 11.00 Session 1
11.00 - 11.30 Coffee break
11.30 - 13.00 Session 2
13.15 - 14.00 Lunch
14.15 - 15.45 Session 3
15.45 - 16.15 Coffee break
16.15 - 17.30 Session 4
17.30 - 18.00 Coffee break
18.00 - 19.00 Session 5 and 6
19.30 - Banquet

Wednesday (2.07.14)
8.00 - 8.45 Breakfast
9.00 - 18.30 Excursion
19.00 - Dinner (barbecue)

Thursday (3.07.14)
8.30 - 9.15 Breakfast
9.30 - 11.00 Session 7
11.00 - 11.30 Coffee break
11.30 - 13.00 Session 8
13.15 - 14.00 Lunch
14.30 - 16.00 Session 9
16.00 - 16.30 Coffee break
16.30 - 18.00 Session 10
18.00 - 18.15 Closing ceremony
19.00 - Dinner

Friday (4.07.14)
8.00 - 8.45 Breakfast
9.15 - Departure
Session 1: Software  dependability I

Włodek Zuberek: Model fusion for the compatibility verification of software components

Ioannis Sideratos, Agapios Platis, Vasilis Koutras, Nicholas Ampazis: Reliability analysis of a two-stage Goel-Okumoto and Yamada S-shaped model

Oleksandr Gordieiev, Vyacheslav Kharchenko, Nataliia Fominykh, Vladimir Sklyar: Evolution of software quality models in context of the standard ISO 25010

Dariusz Rogowski: Software support for Common Criteria security development process on the example of a data diode

Session 2: Web systems

Vyacheslav Kharchenko, Artem Boyarchuk, Yurij Ponochovny: Web systems availability assessment considering attacks on service configuration vulnerabilities

Tomasz Walkowiak, Dariusz Caban: The impact of reconfiguration time on the dependability of complex web based systems

Przemyslaw Bereziński, Józef Pawelec, Marek Małowidzki, Rafał Piotrowski: Entropy-based Internet Traffic Anomaly Detection: A Case Study

Ammar Bessam: A Formal Approach for Preventive Maintenance Workload Balancing

Krzysztof Sacha, Wojciech Pikulski: Internet-Based Production Monitoring and Reporting

Session 3: Hardware

Iwona Grobelna, Michał Grobelny, Marian Adamski: Model checking of UML activity diagrams in logic controllers design

Jarosław Sugier: Low cost FPGA devices in high speed implementations of KECCAK-f hash algorithm

Mieczysław Drabowski, Edward Wantuch: Deterministic schedule of task in multiprocessor computer systems with higher degree of dependability,

Zbigniew Zieliński, Jan Chudzikiewicz: On some resources placement schemes in the 4-dimensional soft degradable hypercube processors network

Mariusz Rychlicki, Zbigniew Kasprzyk: Increasing performance of SMS based information systems
Session 4: Dependability aspects of technical systems

Anis Smara, Mhana Bouktit, Ahmed Boubakeur: Swarm Intelligence Metaheuristics Application in the Diagnosis of Transformer Oil

Lucyna Bogdan, Grażyna Petriczek, Jan Studziński: An approach for planning and analyzing the sewage sanitary networks using some calculation formulas and computer simulation

Mirosław Siergiejczyk, Karolina Krzykowska, Adam Rosinski: Reliability assessment of cooperation and replacement of surveillance systems in air traffic

Urszula Kużelewksa, Ewa Guziejko: A Recommender System Based on Content Clustering Used to Propose Forum Articles

Session 5: Application

Agata Brzozowska, Jerzy Greblicki: Mathematical model of task scheduling in educational cloud

Saeed Alqahtani, Sultan Alanazi, Robert John, Derek Mcauley: How Much Enterprise Social Networking (ESN) Influences Business and Society: “Five Recommendation Systems for an effective ESN System”

Dmytro Peleshko, Mariya Rashkevych, Andriy Klyuvak, Yuriy Ivanov: Partial blur: model, detection, deblurring

Session 6: General aspects of dependability

Victor Toporkov, Anna Toporkova, Alexey Tselishchev, Dmitry Yemelyanov, Petr Potekhin: Heuristic Cycle-Based Scheduling with Backfilling for Large-Scale Distributed Environments

Ernest Edifor, Neil Gordon, Martin Walker, Yiannis Papadopoulos: Using Simulation to Evaluate Dynamic Systems with Weibull or Lognormal Distributions

Elena Zaitseva, Vitaly Levashenko, Miroslav Kvassay: Investigation of system reliability depending on some system components states
Thursday

Session 7: Software dependability II

Bogumila Hnatkowska, Anna Jaszczak: Impact of selected Java idioms on source code maintainability

Piotr Gawkowski, Maciej Sulek: Disturbance Injection in Dependability Assessment of Android Applications

Ivan Nakonechnyy, Marina Yashina: Web service for Data Extraction from Semi-Structured Data Sources

Razvan-Mihai Aciu, Horia Ciocarlie: Framework for the Distributed Computing of the Application Components

Ilona Bluemke, Karol Kulesza: Reductions of operators in Java mutation testing,

Session 8: Computer Networks

Ho Tat Lam, Kwok Yip Szeto: Simple Measure of Network Reliability using the Variance of the Degree Distribution

Zbigniew Kasprzyk, Mariusz Rychlicki: Analysis of physical layer model of WLAN 802.11g data transmission protocol in wireless networks used by telematic systems

Mariusz Gola, Adam Czubak: Approximate algorithm for fast capacity provisioning in WANs with trade-off between performance and cost under budget constraint,

Leszek Nowosielski, Marian Wnuk: Propagation losses in urban areas

Tomasz Surmacz, Bartosz Wojciechowski: Distributed time management in Wireless Sensor Networks

Session 9: Transport Systems

Andrzej Bialas: Computer support for the railway safety management system - requirements analysis

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Tomasz Babczyński, Jan Magott: Dependability and safety analysis of ETCS communication for ERTMS level 3 using performance statecharts and analytic estimation

José A. Moscoso-López, Juan J. Ruiz Aguilar, Ignacio Turias, María M Cerbán, María J. Jiménez-Come: A comparison of forecasting methods for Ro-Ro traffic: a case study in the Strait of Gibraltar

Alexander Buslaev, Mikhail Volkov: Optimization and control of transport processes in distributed systems
Session 10: Soft computing

Anna Derezinska, Konrad Halas: Analysis of Mutation Operators for the Python Language

Piotr Lasek: CDM: A Prototype Implementation of the Data Mining JDM Standard

Sohag Kabir, Ernest Edifor, Martin Walker, Neil Gordon: Quantification of Temporal Fault Trees Based on Fuzzy Set Theory

Piotr Ciskowski: Efficient training of context-dependent neural nets with conjugate gradient algorithms

Jacek Mazurkiewicz: Unified Approach to Network Systems Multicriteral Analysis