## DepCoS - RELCOMEX 2016 Programme

### Monday (27.06.16)
- 16.00 - Registration
- 19.30 - Welcome drink
- 19.40 - Welcome dinner

### Tuesday (28.06.16)
- 8.30- 9.15 Breakfast
- 9.20- 9.30 Introduction and Welcoming Remarks
- 9.30- 11.00 Session 1
- 11.00- 11.30 Coffee break
- 11.30- 13.00 Session 2
- 13.15- 14.15 Lunch
- 14.30- 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
- 19.30- Banquet

### Wednesday (29.06.16)
- 8.00- 8.45 Breakfast
- 9.00- 18.00 Excursion
- 19.00- Dinner (barbecue)

### Thursday (30.06.16)
- 8.30- 9.15 Breakfast
- 9.30- 11.00 Session 6
- 11.00- 11.30 Coffee break
- 11.30- 13.00 Session 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 (1.07.15)
- 8.00- 8.45 Breakfast
- 9.00- 9.10 Closing ceremony
- 9.20- Departure
Session 1: Network systems – Czeslaw Smutnicki
Victor Toporkov, Dmitry Yemelyanov: Scheduling in Grid Based on VO Stakeholders Preferences and Criteria
Jacek Mazurkiewicz: Dependability Metrics for Network Systems - Analytical and Experimental Analysis
Andrzej Ratkowski: Architecture for Internet of Things Analytical Ecosystem
Robert Kotrys, Maciej Krasicki, Piotr Remlein, Andrzej Stelter, Pawel Szulakiewicz: WLAN system with iterative decoding of OFDM multi-symbols
Jaroslaw Sugier: Implementation Efficiency of BLAKE and Other Contemporary Hash Algorithms in Popular FPGA Devices

Session 2: Trust, risk and uncertainty – Victor Toporkov
Tomasz Walkowiak, Dariusz Caban: Simulation-based Dependability Analysis of Systems in Multiple Time-Horizons
Dawid Szpak, Barbara Tchorzewska-Cieślak: Water producers risk analysis connected with collective water supply system functioning
Anna Jodejko-Pietruczuk, Sylwia Werbińska-Wojciechowska: Influence of data uncertainty on the optimum inspection period in a multi-unit system maintained according to the Block inspection policy
Pawel Lubomski, Henryk Krawczyk: Clustering context items into user trust levels
Andrzej Bialas: Critical Infrastructure Protection – How to Assess the Protection Efficiency

Session 3: Software dependability – Wlodek Zuberek
Vyacheslav Kharchenko, Yuriy Ponochovnyi, Artem Boyarchuk, Eugene Brezhnev: Resilience Assurance for Software-Based Space Systems with Online Patching: Two Cases
Anna Derezińska: Evaluation of Deletion Mutation Operators in Mutation Testing of C# Programs
Bartosz Dobrzyński, Janusz Sosnowski: Tracing Life Cycle of Software Bugs
Ilona Bluemke, Anna Stepień: Selection of Metrics for the Defect Prediction
Session 4: Soft computing and data mining – Jacek Mazurkiewicz

Michał Buda, Ilona Bluemke: Data mining algorithms in the analysis of security logs from a honeypot system

Aneta Poniszewska-Maranda, Łukasz Gebel: Multi-agent systems for intelligent retrieval and processing of information


Mieczysław Drabowski: Modification of neural network Tsang-Wang in algorithm for CAD of complex systems with higher degree of dependability

Session 5: Technical aspects I – Franciszek Grabski

A.I. Fedotov, M. Młyńczak: Simulation and Experimental Analysis of Quality Control of Vehicle Brake Systems Using Flat Plate Tester

A.I. Fedotov, M. Młyńczak: Analytical Identification of Parameters Influencing Measurement Quality Using Flat Brake Tester

Robert Sobolewski: Implication of availability of an electrical system of a wind farm for the farm’s output power estimation

Session 6: Transport systems I – Marek Młyńczak

Paweł Głuchowski: NuSMV model verification of an airport traffic control system with deontic rules

Driss Bendjaballah, Ali Bouchoucha, Mohamed Lakhdar Sahli: Numerical simulation of the passenger side airbag deployment in Out-of-Position

Igor Kabashkin: Effectiveness of Redundancy in Communication Network of Air Traffic Management System

Mouloud Khelf, Salim Boukebbab, Mohamed Salah Boulahlib: A mathematical model to regulate roads traffic in order to decongest the urban areas of Constantine city

Emilia Skupień, Agnieszka Tubis: The issue of analyzing measurement data of driving speed in large urban areas
Session 7: Transport systems II – Igor Kabashkin
Alexander Buslaev, Alexander Tatashev, Marina Yashina: About Synergy of Flows on Flower
Agnieszka Tabis, Sylwia Werbińska-Wojciechowska: Vulnerability of passenger transportation system – the main information provided by key stakeholders. Case study
Justyna Świeboda, Mateusz Zając: Analysis of reshuffling cost at a container terminal
Robert Giel, Marcin Plewa: The assessment method of the organization of municipal waste collection zones
Haithem Skima, Eugen Dedu, Julien Bourgeois, Christophe Varnier, Kamal Medjaher: Optimal Path Evolution in a Dynamic Distributed MEMS-based Conveyor

Session 8: Mathematical and economical aspects of dependability – Andrzej Bialas
Franciszek Grabski: Semi-Markov model of damage process
Włodek Zuberek: Invariant–based performance analysis of timed Petri net models
Katarzyna Pietrucha-Urbanik: Assessing the costs of losses incurred as a result of failure

Session 9: Technical aspects II - Wojciech Zamojski
Maciej Zbierski: Supr: adaptive Byzantine fault-tolerant replication
Janusz Sosnowski, Karol Zakrzewski: Monitoring Reliability of Embedded Systems
Alexander Grakovski, Alexey Pilipovcs: The problem of Tyre Footprint Width Estimation by Fibre Optic WIM Sensors in Condition of Geometric Complexity
Ali Al-Dahoud, Mohamed Fezari, Abadi Wassila, Tahmer Al-Rawashdeh: Multiclass SVM/HMM Vowels Recognition System Towards Improving Human Computer Interaction
Urszula Kużelewska: Context information in a collaborative recommender system deployed in real environment