



DepCoS - RELCOMEX 2025 Programme

Monday (30.06.2025)

16.00 –	Registration
19.30 – 19.40	Welcome Reception
19.40 –	Dinner

Tuesday (1.07.2025)

8.00 – 8.45	Breakfast
9.00 – 9.15	Welcoming Remarks
9.15 – 10.15	Invited Speaker I
10.15 – 10.45	Coffee Break
10.45 – 11.30	Invited Speaker II
11.30 – 12.45	Session 1
13.00 – 14.00	Lunch
14.30 – 15.15	Invited Speaker III
15.15 – 16.30	Session 2
16.30 – 17.00	Coffee Break
17.00 – 18.40	Session 3
19.30 –	Banquet

Wednesday (2.07.2025)

8.00 – 9.00	Breakfast
9.15 – 10.55	Session 4
10.55 – 11.25	Coffee Break
11.25 – 12.25	Invited Speaker IV
13.00 – 14.00	Lunch
14.15 – 18.30	Free time
18.30 –	Barbecue

Thursday (3.07.2025)

8.00 – 9.00	Breakfast
9.15 – 10.55	Session 5
10.55 – 11.25	Coffee Break
11.25 – 12.40	Session 6
12.40 – 12.50	Closing Ceremony
13.00 – 14.00	Lunch
14.30 –	Departure

Tuesday

9.15 – 10.15 - Invited Speaker I

Challenges and Frontiers in AI Security,
Marek Klonowski

10.45 – 11.30 - Invited Speaker II

Machine Learning - Based Surrogate Models for Predicting Noise and Air Pollution Levels on Urban - Scale Maps,
Henryk Maciejewski

11.30 – 12.45 - Session 1 – Jerzy Rozenblit

Using ChatGPT for Converting Sequential Python Programs into Parallel Code,
Bogdan Czejdo, Waldemar Grabski, Wiktor Daszczuk

Energy Efficiency in Large Language Models: an Empirical Study,
Tomasz Walkowiak

Standardization Processes for the Implementation of AI in Healthcare System: Challenges and Limitations
Barbara Jantos, Michał Wierzbicki, Michał Tomaszewski

14.30 – 15.15 - Invited Speaker III

Model-Based Design of Secure Cyber - Physical Systems,
Jerzy Rozenblit

15.15 – 16.30 - Session 2 – Marek Klonowski

Dynamic Infrared Thermography and Machine Learning for Advanced Diagnostic Applications in Biomedical Imaging,

Łukasz Jeleń, Krzysztof Krupka, Andrzej Rusiecki

Speech Recognition Using Spectrogram Images and Formant Data with Neural Networks,
Mateusz Kucharski

Resilient Software Development of Intelligent Services in Cloud Environments,
Henryk Krawczyk, Bogdan Wiszniewski

17.00 – 18.40 - Session 3 – Bogdan Czejdo

Neighbourhood Generation in Session-Based Recommender Systems Using a Density - Based Approach,
Urszula Kuzelewska, Łukasz Milewski

Preparing a Dataset of Mixers BTC Addresses For Machine Learning Purpose,
Przemysław Rodwald

Creating an Automatic Classifier for Detecting Diabetic Retinopathy Based on The Combining a New 7 - Class Dataset Fundus Images and a Collection of Images from Another Source,
Ewa Skubalska-Rafajłowicz, Michał Zmonarski, Aleksandra Zgryźniak, Sławomir Zmonarski

Enhancing Cervical Cell Classification with DenseNet201 and Spatial Attention Mechanism
Betelhem Wubineh, Andrzej Rusiecki, Krzysztof Halawa

Wednesday

9.15 – 10.55 - Session 4 – Wiktor Daszczuk

Implementing Cryptographic Algorithms Across Various Generations of FPGA Devices - a Case Study,
Jarosław Sugier

FPGAs in Reduct Calculation Using Rough Sets,
Maciej Kopczyński

*Models for Assessing the Dependability of Programmable Devices
with Controlled Multi - Level Degradation,*
Vyacheslav Kharchenko, Yurii Ponochovnyi, Oleksandr Vdovichenko, Khanlar Mahmudov

Robolapa - Electromyographically Controlled Prosthetic Hand Model,
Jacek Mazurkiewicz, Gabriel Pankowski, Beata Mazurkiewicz, Dominik Cedro

11.25 – 12.25 - Invited Speaker IV

Cybersecurity 3600 - from Firewalls to Psychological Fallout,
Ścibór Sobieski

Thursday

9.15 – 10.55 - Session 5 – Czesław Smutnicki

Analysis the Impact of Time Window Lengths on Maintenance Vehicle Routing Problem Efficiency,
Michał Jaroszczuk, Konrad Pempera

*Standard and RL - Controled Tabu Search Algorithms Comparison in Capacitated Vehicle
Routing Problem Solving,*
Jan Bronicki, Piotr Nowak

*Method for Applying Channels Plan Change to Minimize Message Loss During LoRaWAN Network
Reconfiguration - Case Study,*
Marek Bawiec

Multiprocessor Task Scheduling - Comparison of Some Heuristics and Metaheurists,
Dariusz Dorota

11.25 – 12.40 - Session 6 – Jacek Mazurkiewicz

Proposal of an Optimised Path Tracing Algorithm for Computer Graphics,
Marek Woda, Adam Krizar

*Bibliometric Analysis of Artificial Intelligence Application in Forecasting
for Renewable Energy Sources Efficiency Using Citespace,*
Paweł Kut, Katarzyna Pietrucha-Urbanik

Technique for Constructing Structural Models of Fault - Tolerant Moore Finite State Machines,
Valery Salauyou