PROGRAM

of "The International Conference on Security, Fault Tolerance, Intelligence" (ICSFTI2023)

June 30, 2023 (Igor Sikorsky Kyiv Polytechnic Institute) ONLINE		
12:00 – 12:00	**Registration**	**ONLINE**
12:00 – 12:10	**Open ceremony.** Prof. Yaroslav Kornaha. Prof. Heorhii Loutskii. Prof. Sergii Stirenko.	**ONLINE**
12:10 – 12:30	**Plenary Section**	**ONLINE**
12:30 – 15:00	**Parallel Section:** **SEC.** Security, Fault Tolerance. **RT.** IoT, Real Time Systems. **AI.** Machine learning, Big Data. **GN.** Global Networks, Grid and Cloud.	**ONLINE**
15:00 – 15:05	**Closing ceremony.**	**ONLINE**

Open ceremony. Plenary Section.
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1. Vyacheslav Chimshir, Serhii Telenyk, Olena Gavrylenko, Grzegorz Nowakowski, Eduard Zharikov. Approach to design and development of services in information systems of telecommunications providers

Parallel Section SEC. Security, Fault Tolerance.
Section organization committee: Oleksandr Markovskyi, Victor Porev, Artem Volokyta.
PHD students: Oleksandr Honcharenko, Oleksandr Pustovit, Mykyta Melenchukov.
https://bbb.comsys.kpi.ua/b/art-blk-fia-nmy

1. Viktor Poriev. Some Aspects of onDraw-onTouch Pattern Implementation for Multimode Software Applications
2. Artem Volokyta, Artem Dremov. Methods and solution for traffic monitoring and control in SDN architectures
3. Artem Volokyta, Roman Serebriakov. Enhancing system fault tolerance through the use of blockchain technology
4. Olena Savchuk, Artem Martyniuk. Usage Diagnostics to Improve the Fault Tolerance of the IT Structure Element Base
5. Artem Volokyta, Mykyta Melenchukov. Analysis of Defense and Attack Methods in Distributed Systems
6. Bohdana Ostrovska, Oleksandr Markovskyi, Al-Mrayat Ghassan Abdel Jalil Halil. Accelerated Modular Squaring Method
7. Maria Haidukevych, Oleksandr Markovskyi, Igor Boiarshyn. Method for protected implementation of asymmetric cryptography operations in cloud systems
8. Oleksandr Markovskyi, Natalia Gutsulyak, Igor Daiko. Cryptographically strict identification based on hash transformations with programmable collisions
9. Hana Khalil, Oleksandr Markovskyi, Alireza Miratаei, Pavlo Skvortsov. The method of homomorphic encryption of data on performing Fourier transformations on them in clouds

Parallel Section GN. Global Networks, Grid and Cloud.
Parallel Section AI. Machine learning, Big Data.
Parallel Section RT. IoT, Real Time Systems.
Section organization committee Anatoly Sergiyenko, Anastasia Molchanova, Bogdan Ivanishev, Artem Kaplunov.
PHD students: Artemii Kyrianov, Volodymyr Rusinov, Oleksii Cherevatenko, Dmytro Korenko, Leonid Pustovit, Andrii Kobyliuk.
https://bbb.comsys.kpi.ua/b/art-dho-rac-a0s

1. Anatoly Sergiyenko, Anastasia Molchanova, Ivan Mozghoviy. Method of Mapping Cyclo-Dynamic Dataflow into Hardware
2. Vitalii Omelchenko, Oleksandr Rolik. Forecasting-at-scale algorithms for prediction cluster workload
3. Pavlo Ponochovnyy, Volodymyr Oliinyk. Classification model of military aviation based on neural network ensemble
4. Volodymyr Rusinov, Kyryl Muhuiev. Development of a scalable AI-platform based on integration of Edge computing with Cloud technologies
5. Artem Volokyta, Artem Dremov. Method for malicious network traffic categorisation
6. Heorhii Loutskii, Artemii Kyrianov, Oleksand Hocharenko. Algorithms of the behavior of flocks in nature
7. Serhii Tsybulya, Artem Volokyta, Artemii Kyrianov. Review of masking military objects from detection by artificial intelligence
8. Artem Volokyta, Andrii Kobyliuk. An evaluation of cloud monitoring tools: performance, scalability, and security analysis
9. Bohdan Ivanishchev, Artem Kaplunov. Overview of existing Software Defined Radio (SDR) solutions