



ICyberPhys

Programme of the 3rd International Workshop on Intelligent & CyberPhysical Systems (ICyberPhys-2026)

Khmelnytskyi, Ukraine, July 02, 2026

Time regarding the Kyiv

Countries which represent authors	Time in countries regarding the time of Ukraine
United States of America	- 7
United Kingdom	- 2
Poland	- 1
Czech Republic	- 1
Slovakia	- 1
Austria	- 1
Algeria	- 2
Spain	- 1
Kyrgyz Republic	+ 3
Egypt	The same
Estonia	The same

IMPORTANT!!! All Ukrainian participants of Workshop should be connected to all sessions from shelters in order to ensure uninterrupted work during air alarms! We will not stop the Workshop's sessions in case of an air alarm!

All workshop participants should have a backup connection option (charged mobile phone with a connected mobile internet) to ensure uninterrupted operation in case of emergencies – power outages, etc.

Timetable of the Workshop

Time (Kyiv)	July 02 nd 2026
9.00	Welcome & Plenary Session
9.15	Section Session 1
10.45	Coffee Break
11.00	Section Session 2
12.45	Coffee Break
13.00	Awards and Close Ceremony

Presentation timing:

Session presentations – 10 minutes + 5 minutes Q&A (**15 minutes for 1 speaker!**).

Testing of Connection:

July 02th, 2026, 08.45-09.00 (8.45 AM – 09.00 AM), Kyiv time

Zoom links:

Plenary session	https://us02web.zoom.us/j/6750570817?pwd=S21MZUpqZElmalVmd3Z1NCtzSVAvZz09 Meeting ID: 675 057 0817 Passcode: 474124
Sessions	https://us02web.zoom.us/j/6750570817?pwd=S21MZUpqZElmalVmd3Z1NCtzSVAvZz09 Meeting ID: 675 057 0817 Passcode: 474124

Plenary Sessions' Schedule

Plenary sessions	Invited presentations
<p>Welcome & Plenary Session</p> <p style="text-align: center;">July 02nd 2026 09.00-09.15</p> <p>Moderators: Olha Pavlova, Sergii Lysenko</p>	<p>09.00-09.15</p> <p><i>Greetings from the ICyberPhys Organizers:</i></p> <p>Sergii Lysenko, Khmelnytskyi National University, Ukraine (International Program Committee Chair)</p> <p>Yelyzaveta Hnatchuk, Khmelnytskyi National University, Ukraine (Organizing Committee Co-Chair)</p> <p>Olga Pavlova, Khmelnytskyi National University, Ukraine (Organizing Committee Co-Chair)</p>
<p>Awards and Close Ceremony</p> <p style="text-align: center;">July 02nd 2026 13.00-13.15</p> <p>Moderators: Sergii Lysenko, Olha Pavlova</p>	<p>13.00-13.15</p> <p><i>Awards and Close Ceremony</i></p>

Section Sessions' Schedule

Section Sessions	Presentations
<p>Section Session 1</p> <p>July 02nd 2026 09.15-10.45</p> <p>Moderators: Sergii Lysenko, Yelyzaveta Hnatchuk, Olga Pavlova</p>	<p>1. Sergii Lysenko, Oldřich Trenz, Tomas Sochor, Piotr Gaj, Jiri Balej, Ján Rabčan</p> <p><i>An advanced method of inclusive VR-simulator with adaptive complexity for the restoration of motor functions</i></p> <hr/> <p>2. Alina Hnatchuk, Tetiana Hovorushchenko, Yaroslav Hnatchuk, Houda El Bouhissi, Abdel-Badeeh M. Salem, Ján Rabčan</p> <p><i>Intelligent Information Technology for Decision Support in Player Selection Based on Hybrid Models</i></p> <hr/> <p>3. Marian Pisotskyi, Alexey Botchkaryov, Valeriy Hlukhov, Houda El Bouhissi, Archil Chochia</p> <p><i>Adaptive Graph-Based Context-Aware Decision Model for Intelligent Information Systems</i></p> <hr/> <p>4. Pavlo Zamroz, Valerii Hlukhov, Jiri Balej, Abdel-Badeeh M. Salem, Archil Chochia</p> <p><i>Geometry-Aware Data Anonymization Method for Medical Text Embeddings in Distributed RAG Systems</i></p> <hr/> <p>5. Yurii Zdorenko, Alina Yanko, Olena Haitan, Sergii Liubarskyi and Svitlana Onyshchenko</p> <p><i>Neuro-fuzzy model for evaluating software reliability indicators in the context of cyber threats</i></p> <hr/> <p>6. Olena Haitan, Yurii Zdorenko, Svitlana Onyshchenko, Yegor Popov, Pavlo Bilokin</p> <p><i>Development of multimodal architecture for an intelligent software module for people with visual impairments</i></p>
Coffee break 10-45 to 11-00	
<p>Section Session 2</p> <p>July 02nd 2026 11.00-12.45</p> <p>Moderators: Sergii Lysenko, Yelyzaveta Hnatchuk, Olga Pavlova</p>	<p>7. Vasyl Teslyuk, Iryna Gado, Serhii Trevoho, Nazarii Palii, Artem Boyarchuk, Miroslav Kvassay</p> <p><i>Supporting IT project management decisions using intelligent information approaches</i></p> <hr/> <p>8. Andrii Holovatiuk, Oleg Savenko, Tomas Sochor, Viktor Lysak, Vladislav Koval</p> <p><i>Scheduling method for real-time processes in cyberphysical systems based on zero copy</i></p> <hr/> <p>9. Anatoliy Sachenko, Antonina Kashtalian, Viacheslav Kharchenko, Oleksandr Martsenkov, Vladyslav Kreshchuk</p>

	<i>Method of Avoiding Interlocks of Tasks in Distributed Systems Based on Interprocess Interaction Protocol</i>
	10. Anatoliy Melnyk, Viktor Melnyk, Fazal Raheman
	<i>Automatic Hardware Synthesis Approaches for AI-Driven Self-Configurable Computing in Edge Systems</i>
	11. Pavlo Radiuk, Oleksander Barmak, Iurii Krak, Adam Wierzbicki, Nebojsa Bacanin, Silvia Lips
	<i>Auditable Decision-Making in Intelligent Cyber-Physical Systems Using Semantic Transition and Rough Sets</i>
	12. Vasyl Chyhin, Hanna Chaikovska, Anatoliy Melnyk, Silvia Lips, Piotr Gaj, Artem Boyarchuk
	<i>A distributed intelligent system for spectral analysis and real-time bioacoustic signal monitoring</i>
	13. Olga Pavlova, Ivan Rudyk, Andrii Kuzmin, Sava Kostiuk, Houda El Bouhissi, Miroslav Kvassay
	<i>Analysis of person recognition errors in a cyberphysical computer vision system</i>