

**XI INTERNATIONAL WORKSHOP:  
«CRITICAL INFRASTRUCTURES IN THE DIGITAL WORLD»  
(IWCI - 2024)**

**First Information Letter**

**Organizers:** Melentiev Energy System Institute SB RAS, Irkutsk  
ANE of scientific and educational projects  
« Institute of Information Technologies and Cybersecurity »

**Dates:** March 14 - 20, 2024.

**Venue:** Russia, Siberia, Irkutsk, with a trip to Baikal

**Working language:** English (for reports); English and Russian – for Round Tables.

**Scientific topics:**

1. Critical Infrastructures, critically important object and quality of life; intelligent and digital energetics as one of the critical infrastructures.
2. The Digital World: requirements for critical infrastructures, cyber security of critical infrastructures, IT for Smart Grid and Green Energy, cyberphysical systems, digital twins, resilience of energy and socio-ecological systems.
3. Contingency Management in Critical Infrastructures based on integration of mathematics and intelligent technologies: theory, methods, development trends.
4. Theoretical and methodological issues of development and integration of intelligent, agent-based and cloud computing for contingency management in critical infrastructures.
5. Situational Awareness, Semiotics, Visual Analytics, Semantic Modeling and Cognitive Graphics and their applications in critical infrastructures.
6. Application of intelligent, agent-based and cloud computing to support decision making in Smart power systems, taking into account energy security requirements.
7. Methods, technologies and tools for processing of data streams in smart power systems; the possibility to apply the concept of Big Data for scientific and technological forecasting.

**Workshop schedule:**

March 14, 2024 – transfer Irkutsk - Baikal.

March 15 - March 19, 2024 – scientific sessions and discussions.

March 20, 2024 – transfer Baikal - Irkutsk.

**Deadlines:**

<b>February 15, 2024</b>	Accepting applications for participation in Workshop and abstracts for publication (in English)
<b>March 1, 2024</b>	Sending invitations and additional information
<b>March 10, 2024</b>	Conference participation fee (Registration fee - 3000 rubles)
<b>After March 21, 2024</b>	The decision to accept full-text articles in English for publication in the journal Energy System Research (Irkutsk), E-Library; Russian-language - in the journal "Information and Mathematical Technologies in Science and Management" (List of HAC, K2)

Publication of abstracts (in English) before the start of the seminar. The full versions of the reports (in English) are indexed, as a rule, during the year, as they are processed in the Web of Science.

**Registration and abstract submission is carried out on the site:**

<https://conf.isem.irk.ru/e/IWCI-2024>

**Conditions of participation:** Participation is possible only with a report. It's possible participation of accompanying persons. The venue on Baikal is being specified.

**Financial conditions will be announced after their clarification at the beginning of 2024.**

The approximate cost of living for one participant in a double room is 2500-3500 rubles. (with breakfast). On the deadline of payment and the order of registration will be announced in the invitations

**Contacts:** e-mail: [amassel@isem.irk.ru](mailto:amassel@isem.irk.ru), [amassel@gmail.com](mailto:amassel@gmail.com) tel: +79149271241,  
Alekssei Massel.