

EXTRIMUS exhibition

Preliminary program

1 Aim of exhibition

The aim of EXTRIMUS exhibition is to present to international audience results of grant no. MAZOWSZE/0043/19 funded by by National Center for Research and Development of Poland in form of EXIR series systems that enable accurate testing of thermal imagers at extreme conditions. The potential applications of new EXIR systems are enormous. These new test systems can bring revolution in thermal imaging metrology. They offer to deliver tests that are extremely important both for users and manufacturers of thermal imagers in both military and civilian applications.



Fig. 1. Exemplary well known thermal imagers that can be tested using EXIR systems

2 Dates and venue

EXTRIMUS exhibition shall take place in period of October 10-12, 2022. Hotel Splendor, Babice Nowe, Poland is the venue during the first day of exhibition. Inframet facility at Koczargi Nowe, Poland is the venue for the second and third day.

3 Exhibition type

EXTRIMUS exhibition is organized on a concept of limited access, no-fee exhibition targeted to people working at least partially in field of thermal imaging technology (manufacturers, governmental organizations, test labs, universities, sales). Access to this exhibition can be obtained by receiving personal invitation. Please contact Inframet if you are interested to participate.

4 Why to attend?

It is an opportunity to see and practically use systems that offer accurate testing thermal imagers working at extreme conditions. So far such systems have not been available. Application of these new test systems can enable development of new generation of thermal imagers that can work perfectly both at laboratory and field conditions. The new EXIR test systems to be presented will become soon **MUST TO HAVE** for manufacturers of thermal imagers who want to produce imagers that work perfectly at real field conditions.

5 Event structure

The main structure of EXTRIMUS exhibition is as below:

- Day 1: Introduction to thermal imaging metrology (*lectures in a hotel*)
- Day 2: Practical presentation of Inframet equipment for testing thermal imagers/multi sensor system (*practical presentation at Inframet facilities*)
- Day 3: Tests at simulated real work conditions of of thermal imagers delivered by visitors (*option available only for limited number of visitors*)

6 Detail program

Day 1

Place: Hotel Splendor, Babice Nowe, Poland

Lectures in time block from 9.00 to 13.00

Coffee break: 10.40 -11.00

Lunch: 13.00 – 14.00

Discussions with Inframet engineers from 14.00 to 16.00

Dinner at the Splendor hotel: 18:00

Lecture program:

1. Short Inframet presentation
2. Market of thermal imagers
3. Real work conditions of thermal imagers
4. Performance parameters of surveillance thermal imagers
5. Evaluation methods of thermal imagers
6. Classical methods of testing thermal imagers at laboratory conditions
7. New methods for testing thermal imagers at extreme conditions
8. Design of EXIR-1 test system
9. Design of EXIR-2 test system
10. Design of EXIR-3 test system
11. Simulation/test capabilities of EXIR series stations
12. Potential applications of EXIR systems
13. Review of results of testing of thermal imagers at extreme conditions
14. Summary

Day 2

Place: Inframet facilities, Koczargi Nowe, Poland

Five practical presentation blocks – estimated duration 1 hour each block.

Lunch: 13.00 – 14.00

The visitors to EXTRIMUS are to be divided into five groups and will attend presentation in Inframet facilities at Koczargi Nowe of five test systems:

1. Classical DT system for testing thermal imagers at laboratory conditions
2. Classical MS system for testing multi-sensor systems at laboratory conditions
3. EXIR-1 system for testing thermal imagers at simulated extreme conditions (horizontal configuration – simplified simulation)
4. EXIR-2 system for testing thermal imagers at simulated extreme conditions (horizontal configuration – accurate simulation)
5. EXIR-3 system for testing thermal imagers at simulated extreme conditions (all three work configurations: horizontal, slanted up, slanted down)

Day 3

This is optional day only for selected visitors to EXTRIMUS who have obtained acceptance from Inframet to bring to Inframet facility their own thermal imagers. They will be able to carry out tests of such imagers using Inframet test systems. Inframet staff shall deliver support to carry out the tests. Details shall be delivered later when it is known how many visitors is interested in this option.

7 Sponsoring

Inframet offers two free lunches and one free dinner for all participants of EXTRIMUS. There is also limited number of special special sponsoring programs to cover cost of hotel/travel directed to industrial/scientific centres having big potential to apply EXIR series test systems.

8 Deadlines

It is expected that final list of participants of EXTRIMUS is to be finished before September 10, 2022. Only in exceptional cases new persons can be added. However, we recommend you to ask Inframet for the invitation earlier. If you plan to apply for special sponsoring program then please contact Inframet as soon as possible.

9 Contact

If you have any questions please communicate to

Wojciech Radomski

Chief Sales Officer

email: wr@inframet.com