

ANNIVERSARY CONFERENCE

On May 29–31, 2023, Concern CSRI Elektropribor, JSC held the 30th Anniversary Saint Petersburg International Conference on Integrated Navigation Systems (ICINS). Every year since 1994 this conference has brought together scientists and leading researchers from different countries working in the field of navigation and motion control.

This year the conference got together 299 specialists from 6 countries and 23 Russian cities. The representatives of the Chinese Society of Inertial Technology took active part in the conference.

The event was opened by the Chairman of the Program Committee, academician of the RAS, Professor V.G. Peshekhonov. He greeted the participants and noted that this year the major part of plenary presentations is related to the main topic of the conference: integrated navigation systems. The conference program consisted of four sections and a panel discussion. Traditional topics were the integrated systems and inertial systems and sensors. New sections on the problems of motion control and relevant issues of navigation theory, which appeared two years ago, were continued. They also attracted the interested audience and confidently found their place in the conference program.



The presentation that opened the conference program, made by Prof. A.A. Golovan, Doctor of Engineering Science (Lomonosov Moscow State University), was remarkable. It was devoted to the methodology of airborne gravity survey using a strapdown airborne gravimeter developed on the basis of rich observational materials obtained in 2020–2022 using aircraft and UAV as equipment carriers.

One of the main events was the Panel Discussion “The Outlook for Gyroscopy”. The Program Committee tried to collect the presentations about the most high-demand



types of gyroscopes which are very promising in the nearest future. The presentations were followed by a lively discussion, where the participants offered their opinions about the trends in the gyro technology development.

More details about the most interesting presentations heard at the conference can be found in the *Gyroscopy and Navigation* journal, No. 2, 2023.

A total of 124 papers were presented at the conference: 17 plenary and 103 poster presentations, and 4 reports were heard at the Panel Discussion.

The scientists discussed the applications of integrated navigation systems in different spheres of science and technology, such as aerospace industry, marine and land transport, geophysics, etc.



Besides, the state-of-the-art development projects in the field of integrated navigation systems were presented, such as vehicle automatic control systems, navigation systems for UAV, etc.

The texts of presented papers will be submitted for publication in the IEEE Xplore library.

The most interesting papers selected by the session chairpersons and the members of the conference Program Committee will be recommended for publishing in the *Gyroscopy and Navigation* journal and in its Russian version.

The entertainment program included the guided sight-seeing boat trip along the rivers and canals of St. Petersburg and the visit to the Summer Palace of Peter the Great. This museum, restored owing to the meticulous work of historians and fine art experts, opened its doors specially to the conference participants in unusually late evening hours. The guests got a lot of pleasant impressions, left positive feedback and gave thanks to the Organizing Committee for the interesting and informative excursion.

The 30th Anniversary ICINS showed that the integrated navigation systems possess a high potential for application in different branches and spheres of science and technology, and the development of this trend is in progress.