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**Piotr Kaniewski
Jan Matuszewski**
Editors

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- Poster Session
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Introduction

For fourteen years, the scientific-technical Radioelectronic Systems Conference (RSC) has provided a national forum for the radioelectronics community, facilitating networking and the exchange of knowledge and experience between representatives of academies, research institutes, industry, and national institutions involved in the use and construction of devices and systems using radio waves. Its main purpose is to assess and present the current state and trends in the development of radioelectronic devices and systems, with a special focus on the achievements of Polish scientific and industrial entities.

This year's conference was the Tenth Jubilee edition, which motivated me to give a brief review of its history. The RSC conference was originally organized by the Institute of Radioelectronics of the Faculty of Electronics of the Military University of Technology, Warsaw, Poland, in the year 2005, in Soczewka, near Plock. In terms of content, it was a continuation of a conference entitled "Problems of Contemporary Radiolocation" organized in the years 1978, 1981, 1988, 1993, and 1998 by the Institute of Radiolocation (the previous name for the Institute of Radioelectronics). It also drew from a tradition of seminars on "Radar Signal Processing" led by the Telecommunications Research Institute, as well as on a conference called, "Control in Radiolocation and Aerial Objects" organized in Jelenia Gora by the Higher Military School of Radioelectronics and the Military University of Technology.

As the names of the sources of the RSC conference indicate, one of its most important scientific fields from the very beginning was radiolocation. This scientific field was also featured in another national conference, highly renowned among the Polish radar community, the Scientific-Technical Conference on Radiolocation, organized annually by the Telecommunications Research Institute. Due to the similar scope and circle of participants, in 2011 it was decided that both conferences would be organized jointly with a fresh approach and under the common name "Days of Radiolocation". This edition is the seventh time the RSC conference has been organized in this way. The conference locations so far have been Soczewka (three times in 2005, 2007, and 2009), Rynia (2011), Sobienie Szlacheckie (2012), and Jachranka (five times in 2013, 2014, 2015, 2017, and 2019).

Although the RSC conference has always been strongly connected to radiolocation, since the beginning its ambition has also been to present a wider scope of subjects of contemporary radioelectronics and complementing fields. This scope has gradually expanded and currently includes acoustics and acoustoelectronics, antennas and microwaves, biomedical electronics, measurement devices and systems, optoelectronics, radar technology, radionavigation, radioelectronics for space applications, signal and data processing in radioelectronics, special devices and systems, telecommunication devices and systems, and unmanned systems.

The group of institutions interested in actively participating in the conference is also systematically expanding, which encourages the integration of the community dealing with the issues of radioelectronic devices and systems.

The 10th RSC conference was supported once again by the International Society for Optics and Photonics (SPIE), ensuring high review standards and resulting in an increase in the quality of the presented content. In addition, the conference was supported by the Honorary Patronage of the National Security Bureau, a patronage of the Polish Space Agency, and a medial patronage of Polska Zbrojna Magazine.

Piotr Kaniewski