

## A NEW BOOK IN THE FIELD OF AEROSPACE RESEARCH AND TECHNOLOGIES



In the end of 2011, the *Prof. Marin Drinov* Publishing House published the book *Semi-Nature Construction of Unmanned Aircraft Control Systems*, which is dedicated to an interesting topic, such as semi-nature construction of unmanned aircraft control systems.

The author, Prof. Petar Getsov, Director of the Space Research and Technology Institute at the Bulgarian Academy of Sciences (SRTI–BAS), is an expert of wide popularity among aviation and space community, who works in the field of control systems and avionics of aerospace aircraft.

The book provides a detailed and rationalized analysis of the modern state of unmanned aircraft, systematizing the spheres of their civil and military application, and proving their indispensability and prospects in complex aerospace experiments. General concept, methodology, and algorithms for semi-nature construction and study of unmanned aircraft are developed. The problems of operator selection and training are considered based on unique formalization of their activities. The possibility for uniting in a common complex the control system and the navigation systems is examined. The book also focuses on the study of man as a control system within the unmanned aircraft control contour, as well as on the on-board microprocessor systems used for the purpose. In the end, construction and experimental solutions investigating unmanned aircraft flight control through analytical, semi-nature, and experimental methods are highlighted.

The book contains 201 pages, 60 figures, and a reference of 237 titles. It is a further development of the habilitation work, defended successfully by the author to obtain the *Professor* scientific title.

The book of Prof. Getsov, *Semi-Nature Construction of Unmanned Aircraft Control Systems*, will be used by civil or military engineers, or researchers in the field of construction and study of unmanned aircraft, as well as by all readers concerned in the problems of unmanned aircraft control systems and satellite navigation systems.

The topic of the book, the discussed up-to-date problems, the high level of studies and quality of obtained results destine it to be a phenomenon on our book market in the field of aerospace research and technologies.

Prof. Garo Mardirossian, DSc

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Г е ц о в, П. Полунатурно конструиране на системи за управление на безпилотни летателни апарати. Акад. Издат. “Проф. Марин Дринов”, София, 2011, 201 с.