

OPINION

By Assoc. Prof. Kolyo Penchev Kolev, Ph.D.

No. 166 / 05.12.2019 of the Director of SRTI-BAS for a dissertation on a topic "INVESTIGATIONS ON THE REALIZATION OF A PERSONAL AIRCRAFT TRANSPORT IN URBAN ENVIRONMENT ", authored by M.Sc. Georgi Petev Georgiev, for the acquisition of educational and scientific degree, Doctor" in higher education 5. Technical Sciences, Professional Degree: 5.5 Transport, Shipping and Aviation, Scientific Degree: Dynamics, Ballistics and aircraft flight management (urban aviation personal transport management)

1. General characteristics and evaluation of the thesis

The thesis of M.Sc. Georgi Petev Georgiev contains an introduction, four chapters, a conclusion and a bibliography. The individual chapters of the dissertation are consistently and logically related. The author has made a systematic and competent analysis of the status of the problem.

I value positively and give high appreciation to the thesis of Master Georgi Georgiev.

2. Assess the relevance and level of knowledge of the problem

From the above and the conclusions drawn, it is clear that the author has a thorough knowledge of the problems addressed in the dissertation.

3. Assessment of the scientific, applied and applied contributions of the dissertation

The contributions are formulated correctly and accurately.

The scientific, applied scientific contributions are consistent with the results obtained from the research carried out. I positively appreciate the contributions of Master Georgi Georgiev, which are his personal work.

4. Evaluation of dissertation publications

The author has presented in his dissertation 12 pieces of scientific publications and 17 reports. All of them are on the topic of the dissertation.

5. Evaluation of the abstract

The abstract contains a brief summary of the main points of the dissertation, but there are also minor gaps. For example, page III in IV.2.3 lacks a schedule, on the same page. the PhD student.

Conclusion

The dissertation work of Master Georgi Georgiev is a completed scientific research. The achieved results and contributions have both theoretical and applied importance for solving environmental problems. A significant result of the simulation studies is the formulation of the initial requirements for unmanned aerial vehicles and the proposed AM methodology in an urban environment. On the basis of the above, I will vote for the awarding of an educational and scientific degree "Doctor" of M.Sc. Georgi Georgiev in the scientific field of Dynamics, ballistics and control of the flight of aircrafts (Management of Urban Aviation Transport under urban conditions)

Date: 01/16/2020

Assoc. Prof. Dr. Eng. [Kolyo Kolev /