



POZNAN UNIVERSITY OF TECHNOLOGY DOCTORAL SCHOOL

The result of the mid-term assessment together with the justification

Wynik oceny śródkresowej wraz z uzasadnieniem

for the period 01.10.2019 to 31.08.2021

Kacper Podbucki

the Doctoral Student at PUT Doctoral School / Doktorant Szkoły Doktorskiej PP

discipline of science / dyscyplina naukowa: automation, electronics and electrical engineering /
automatyka, elektronika i elektrotechnika

The result of assessment / Wynik oceny

Positive / Pozytywna*	Negative / Negatywna*
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Justification / Uzasadnienie

The research hypothesis formulated by Mr Kacper Podbucki, M.Sc. concerns the solution of the problem of multi-sensory data fusion and perception of a robot in a real environment. According to the Committee members, the research topic is properly defined and covers data processing, vision systems and robotics. The research is multifaceted and concerns many aspects of the perception of a structured environment such as an airport runway. The aim of the robot application investigated by the PhD student is to support autonomous inspection and diagnosis of the state of airport lamps.

By the date of the mid-term evaluation (17.09.2021), the PhD student has completed almost all planned tasks, which according to the Individual Education Program (IEP) represents 50% of the completed doctoral work. In the report on the work carried out, the PhD student indicates slight deviations in the work plan which are minor.

According to the Committee, the degree of progress of the work is adequate to the programme and schedule in the IEP provided for the first two years of education. Mr Kacper Podbucki, M.Sc. has so far published two co-authored papers in journals (one paper from the JCR), and two conference papers.

To summarize, Mr Kacper Podbucki, M.Sc. has demonstrated that he, for the most part, has completed the tasks envisaged for implementation in the IEP. Certain deviations from the assumed plan are minor and already addressed so that they should not affect the deadline for the completion of research foreseen for the beginning of the year 2023.

All members of the Committee express an unambiguously positive opinion on the activity of Mr Kacper Podbucki, M.Sc.

On behalf of the Commission / Za Komisję

.....17.09.2021.....
Date

.....*Dariusz Bielecki*.....
Legible signature of Head of Commission