



**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**

Wojciech Ludowicz

**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**

<b>Positive / Pozytywna*</b>	<b>Negative / Negatywna*</b>
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**Justification / Uzasadnienie**

The formulated research hypothesis by Mr Ludowicz, M.Sc. concerns the solution of the problem of mathematical modelling of high-frequency electromagnetic circuits, in which the density of displacement currents is taken into account. This is an issue that has not been sufficiently studied to date, and there is no formulated universal approach to the analysis of these phenomena by field methods. The solution proposed within the framework of the future doctoral dissertation is adopted adequately to the degree of development of computational methods in the problems of electromagnetism.

By the date of the mid-term evaluation (16.09.2021), the doctoral student has completed 4 tasks, which according to the Individual Education Program (IEP) represents 45% of the completed doctoral work.

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 Wojciech Ludowicz, M.Sc. has published two co-authored papers in journals from the JCR list which is in line with the assumptions in the IEP. The quality of these publications is appropriate for the type of work carried out. Some planned activities such as the participation in the SME'2021 conference and the submission of a scientific grant proposal were not cancelled but postponed to 2022.

To summarize, Mr Wojciech Ludowicz, M.Sc. has demonstrated that he has completed the tasks envisaged for implementation in the IEP. Detected deviations from the assumed plan 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 Wojciech Ludowicz, M.Sc.

**On behalf of the Commission / Za Komisję**

.....16.09.2021.....  
Date

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Legible signature of Head of Commission

\* delete as appropriate / niepotrzebne skreślić