

## FOREWORD

This issue of the quarterly „Elektryka” contains eight papers, whose authors are employees of Polish and foreign scientific centers.

The authors of the first one, Dawid Buła, presents presents an analysis of the impact of changes in power line frequency on the hybrid active filter operation.

The paper by Łukasz Majka and Dominik Szuster presented measurement-based model parameter estimation in both  $d$  and  $q$  axis of a synchronous generator.

Next paper, by Marcin Fice and Rafał Setlak presents the possibility to convert a car with an internal combustion engine to an electric car. The same authors proposed the cheap hybrid drive for cars.

Piotr Zientek, author of next paper, presents the causes of bearing currents forming during motor direct startup.

In the article by Szymon Pasko made construction analyses of EMI filter on insertion loss properties for differential mode interference.

Team composed of Artur Pasierbek, Marcin Połomski and Radosław Sokół presented the several optimal power flow algorithms.

In the filal paper by Tomasz Adrikowski proposed simulation conceptual model in OrCAD-Capture & PSpice environment of 1-phase active power filter (APF) designed to eliminate the harmonic current source  $i_s$  and power factor correction was presented.

All papers included in this quarterly “Elektryka” received positive reviews in accordance with the accepted principle of double-blind review process.

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