

## **Analysis of selected parking characteristics in the Paid Parking Zone - a Case Study Based on City in Poland**

**Agata Kurek<sup>1</sup>, Elżbieta Macioszek<sup>1</sup>**

<sup>1</sup>Silesian University of Technology, Faculty of Transport and Aviation Engineering  
40-019 Katowice, Krasińskiego 8 Street, Poland  
Agata.Kurek@polsl.pl; Elzbieta.Macioszek@polsl.pl

**Abstract** - Paid Parking Zones (PPZ) currently operate in medium and large cities. Such zones are treated as a tool influencing changes in the transport behavior of residents, prompting them to change a car to alternative means of transport. The basic condition for the efficient management of PPZ is the availability of information on parking characteristics in the zone i.a. parking time, rotation indicator, use of parking space, etc. This paper presents the results of the analysis of selected parking characteristics in the PPZ in Gliwice. These characteristics can be used to assess the functioning of the PPZ, but also to improve the effectiveness of the tools used to manage the PPZ zone. The analysis was performed as a part of research work entitled "Analysis of parking characteristics in the conditions of SPP and DIP functioning in selected areas of GZM cities".

**Keywords:** Paid Parking Zone, parking, Dynamic Parking Information, traffic engineering, road transport.  
vol. 13, pp. 1-26, 2020