## Iwona Wróbel: Scientific Seminars in the Railway Research Institute in the First Quarter of 2017

Scientific seminars whose subject matter concerns vital rail transport problems have been carried out by the Railway Research Institute for many years. The purpose of these meetings is to extend the knowledge on innovative solutions, their practical applications and exchange experience in the new technologies development area. The subject matter of three seminars which were held in the first quarter of 2017 is described. The presented speeches concerned primarily spring components of railway superstructure, methods of steel elements' non-destructive diagnostics and the latest supporting structure systems of 3 kV DC overhead contact lines.

**Keywords:** scientific seminar, elements of the rail superstructure, components of overhead contact lines