



*Dear Readers*

This issue of Railway Reports opens with an article about late Professor Henry Bałuch, passed away on 8 March 2020, a longtime employee of the Institute, its director, then a member of the Scientific Council and the editor-in-chief of Railway Reports. The author of the obituary is his former superior, colleague and friend at the same time – Dr Andrzej Gołaszewski, former Deputy Minister of Transport.

Issue 187 contains articles prepared both by specialists from the Railway Research Institute and by authors from other research units and universities. Among them there are the authors from the Rail Vehicles Institute TABOR, from the Main School of Fire Service and from the TGM Federal Institute of Technology from Vienna. The articles cover a very wide range of topics. Three articles concern rail vehicles and discuss modern methods for designing running gear, issues of placing in service of TSI compliant vehicles (in authorization mode), as well as verification of the Control-Command and Signalling On-board subsystem. The issue also deals with the impact of rail vehicles on the environment, including switching disturbances and their impact on the spectrum of frequencies contained in the traction current, as well as the impact of electromagnetic fields from vehicles in relation to civil protection. Attention was also paid to the capabilities of elements produced in 3D printing technology and their fire properties. The issue also contains an article dedicated to rescue operations in the event of emission of hazardous substances into the environment, discussed on the example of the release of ammonia from a railway tank.

*Wishing you an interesting read,*

*Editor-in-Chief*

*Andrzej Massel*