

## **The History of Track Structure Design and the Future**

Atsushi FURUKAWA

The research of the design method of ballasted tracks in Japan started from the theory of track destruction in the 1950's. Afterwards, some improvements were done, and a new track structure design code has been enforced since December 2011. In case of the design of ballasted tracks, the prediction and verification of track irregularities is important and these are the most different from the design method of infrastructures which are mainly verified against the mechanical destruction. In this text, the author has described the history of the design method of track structure and the view in the future.