

**Method to Pinpoint Locations along Railway That Are Subject to
Strong Winds with Due Consideration on Local Winds**

Takaaki FUKUHARA Keiji ARAKI Saki TANIMOTO

In order to pinpoint locations along railway that are subject to strong local winds, which occur under specific topographical and/or climate conditions, we have studied on development of a method to extract strong wind areas in consideration of local winds based on the method that we developed in our previous study. Although meteorological model and computational fluid dynamics model were used in numerical simulations in the previous method, it has become possible to extract strong local wind areas more exactly by using a meteorological model with high resolution in numerical simulation.