

## **Recent Trend of Research and Development on Materials for Railway**

Yasutomo SONE

The innovation of railway technology could be achieved by the progress of material technology regarding development of material itself, manufacturing processes, higher reliability, etc. Therefore, material technology should be developed as key technology in the railway. To accomplish the above, analytical and mensurational methods are regarded as other basic technology. In addition, these days, the replacement of environmentally unacceptable materials with other ones and the energy conservation are strongly demanded in terms of the protection of the environment. This review describes some of the results of the recent research and development in the latest material technology, including the development and application of new materials, and analytical and mensurational methods.