



**Nobuo NISHIOKA**

### **Biographies**

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Nobuo NISHIOKA is currently Senior Manager at East Japan Railway Company (Paris Office). Nobuo NISHIOKA started his career at JR East in 2007 after a 5-year-experience as a researcher at Panasonic. His experience spreads over a wide spectrum covering safety, security, smart card and ticketing system. Nobuo NISHIOKA is a Bachelor and has a Master degree in Engineering from Waseda University.



**Kazutaka Matsumaru**

He is currently Senior Manager at Japan Railways Group (Paris Office). He first began to work for the West Japan Railway Company in 2007 and he held various positions at West Japan Railway Company. His experience spreads over a wide spectrum covering safety, track & structure.

He has a Bachelor and a Masters degree in Engineering from the University of Tokyo.

### **Presentation: “Measures to Reduce Risks at Level Crossings”.**

The safety of level crossings is one of the important issues for railway companies and so is for JR East. In 1980's, we had nearly 250 level crossing accidents per year. To reduce risks at level crossings, we have taken a lot of hardware measures such as installing obstruction detectors, bars, alarms and so on. In addition to these measures, we have educated pedestrians at level since 1991 because many accidents are caused by human behaviors. These educations, which we sometimes work with the police, play an important role to prevent accidents at level crossings. Thanks to hardware measures and educations, the number of level crossing accidents have been decreasing.

In this presentation, we present some hardware measures to reduce risks at level crossings, how to educate pedestrians and education points.