## Application of Information and Communication Technologies to Railways and the Role of Simulation Technologies

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This paper describes the future directions of the application of information and communication technologies (ICT) to railway operations, which include advanced demand prediction, transport planning, facility manage ment systems, wireless communication based train control systems, etc. We also discuss the role of simulation technologies which will be used to evaluate the performance and cost effectiveness of newly developed systems and/or deployment plans. We believe the use of simulation technologies will greatly promote the deployment of ICT solutions in various fields of railways.