

## **Recent Trend of Brake System Technology for Railway Vehicles**

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New Shinkansen trains have been developed by JR companies recently, and new technologies of brake system have been applied to them. Brake disks attached to wheels by a new method, and brake calipers operated by air pressure have been applied to E5 series for Tohoku Shinkansen of JR East Japan. New type anti skid brake systems controlling a pair of axles of each bogie by air pressure have been applied to N700 series for Tokaido and Sanyo Shinkansen of JR Central Japan and JR West Japan. Advanced brake control systems have been also developed for meter gauge trains. In this paper, these new technologies and recent developments of brake system are introduced.