



# Indian Institute of Technology, Madras

*hereby confers the degree of*  
**Doctor of Philosophy**  
*of the Institute*  
*on*

**L S RAJARAM**

*for successfully completing the prescribed programme of study and*  
*presenting the thesis entitled*

**MECHANICAL AND THERMAL ANALYSES OF RAILWAY BRAKES**

*Given this day the Twentysixth of July, 1997*  
*under the seal of the Institute.*



*[Signature]*  
Registrar

*[Signature]*  
Director

*[Signature]*  
Chairman Board of Governors



*[Signature]*

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