

Requirements for Technical Report

The Freescale Cup

Each team participating in The Freescale Cup should submit a technical report of the racing car controller design used in the competition not later than 28th August 2011 through the website. The technical report should be written by the team members with the help of their supervisor. This technical report should provide detailed technical information related with design and development of the racing car. Technical reports will be reviewed and rated by the experts invited by the organizing committee of the event.

Technical reports should contain the following basic information:

- Brief description of major components
- Control algorithms used in the car
- Description of control software design
- Description of development tools and debug processes
- Description of key technical parameters of car models;
 - a) Sampling time of the controller;
 - b) Processor utilization factor;
 - c) Accuracy of tracking control
 - d) Accuracy of speed control
 - e) Software listing

Technical reports should be accurate, clear and fluent, with detailed text and diagrams. Technical documents should be submitted in the PDF format. To facilitate compilation of technical documents, sample report will be put on event web site.