

From: Wang Min [mailto:min.wang@volvo.com]
Sent: Tuesday, February 19, 2008 5:28 PM
To: Norman Dowling
Subject: Durability Test Engineer

Dr. Dowling,

It is always good to know about high potential engineer candidates. If you have students interested to work in the durability testing field, I will be interested in talking to them. Below is a brief description on the durability test engineer position.

Job involvements: Perform engineering measurements using variety of sensors and data acquisition instrumentation system. Perform experimental stress analysis using strain gage and strain gage based Wheatstone bridge transducers. Perform cumulative damage calculation to estimate fatigue performance of truck components.

Desired backgrounds: Solid mechanics concentration. Strong background and interests on stress analysis, material failure mechanisms and fatigue damage calculation.

Problem solving skills: Analytical, logical and comprehensive thinking. Strong engineering sense and quick grasp on ideas and situation in problem solving.

Other technical interests: Programming capability, enjoy hands on work & troubleshooting, lab experience with strain gages, data acquisition instrumentation and MTS servo hydraulic are also plus.

Interpersonal skills: good people's skill and team player. Test engineers always work with internal customers and work in a partnership with technicians to accomplish tasks. Good people's skill is a key to build relationship with people with diversified backgrounds.

The actual daily work also involves a lot of practical small things. I am in the process of formulating summer internship and position opening in my group. I would appreciate it very much if you can pass the words to the students in ESM or ME departments.

Best Regards,

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