



Thesis FEM Simulation of Fracture in Electronic Components

Research & Development

Corporate success at Bosch is determined by innovation capability and an edge in know-how. Accept with us the challenge of new tasks by your willingness to permanently learn something new.

As the global market leader, the Automotive Electronics Division offers innovative electronic systems, control units, sensors and semiconductors for motor vehicles worldwide.

Your responsibilities:

- Establishment of parametric FEM models of electronic components (for example BGA packages) under dynamic (drop, vibration, etc.) loads
- Investigating the reliability of component by fracture mechanics approach
- Geometry optimization to enhance the lifetime

Your competencies and qualifications:

- Enrolled Student (m/f) in the area of mechanical/ aerospace engineering or physics/ material science
- Experience with a commercial FEM software (ANSYS, ABAQUS, etc.)
- Knowledge of design and calculation of dynamic behaviour of structures
- Good knowledge of English or German language

Start: March 2013, 6 months

For further information contact Mr. Dr. Shirangi
Tel. +49 711 811-43821 or Hossein.Shirangi@de.bosch.com.

Make it happen. Apply now.

Date: 22.10.2012

Reference no.: DE00228367

Country: Germany

Location: Schwieberdingen



Apply now online!

Use our online application form and your information will reach us safely and quickly.