

Structural Analyst for Electronics Hardware

Information about Honeywell:

Honeywell Technology Solutions (HTS) dynamically expands its activities in research and development (R&D) centre in Brno, Czech Republic. Established in 2003, this is the largest R&D centre in Europe for Honeywell. Our engineers and scientists develop products and technologies that are linked to our business units: Aerospace, Automation and Controls Solutions and Transportation Systems.

This position is a part of Aerospace group, the world's leading supplier of avionics systems, products and services for commercial and business aircraft as well as for defense and space applications.

The key responsibilities will include:

- Static and dynamic analysis (vibration analysis - random vibration, harmonic, sine-on-random)
- Linear and nonlinear analysis (contact, material nonlinearities)
- Fatigue analysis of sheet and solid parts
- Fatigue analysis of bolt joints and rivet joints
- Collaborate with mechanical and electrical designers
- Orientation in aircraft test procedures (DO-160, EUROCAE ED-14) and customer procedures
- Interface with other functional groups and/or customer focals
- Actively participate in design reviews and analysis reviews.
- Investigate failures, identify root causes and permanent corrective actions
- Job assignment may vary based on Work Coordinator's or Team Lead's directives.

Basic Qualifications:

- Bc/Mgr. – minimum of Associates Degree in Mechanical Design.
- 2 years experience of Mechanical Analyses preferably in Aircraft electrical system design environment.
- Excellent orientation and knowledge of FEA structural analyses.
- Thorough knowledge of mechanical analysis, build and support processes
- Ability to work closely with other functional groups such as Analysis and El. Engineering in joint definition & implementation phases of requirements.
- Experience with Siemens NX Nastran tool (preferred), MSC Nastran, ANSYS (advantage), Altair HyperWorks (advantage)
- Strong experience with MS Office (Word, Excel, PowerPoint)
- Experience with mechanical CAD systems is advantage (Proe/Creo, NX)
- Knowledge of program language is advantage (C++, Visual Basic)
- Strong leadership capability is required
- Strong organizational skills and analytical ability
- Willing to self-education
- Strong problem solving skills; Ability to apply various tools in resolving complex problems
- Excellent command of English language mandatory
- Strong oral and written communication skills (face to face, phone), ability to conduct technical presentations to customers
- Meet security/export requirements to work on Canadian and US programs

If you are interested in this opportunity, contact Hana Kvapilová (hana.kvapilova@honeywell.com)

For full version of the job description, please visit Honeywell Career Center at <http://inside.honeywell.com/hrsites/jobs/frmopp.html>. Please refer to internal Hiring Policy for internal selection process guidelines.