



The TCAD Mesh Generation Group at Synopsys Inc. is looking for a Senior R&D Software Engineer to join our team.

Title: Senior R&D Software Engineer.

Requisition Number: 11460BR

Hiring Location(s): GREAT BRITAIN - Exeter

We have a role in our TCAD Mesh Generation Group that would suit a talented software engineer/scientist looking to develop exciting applications used by international blue chip corporations, research institutions and universities worldwide.

The candidate will help the group develop new technologies in the Sentaurus product line. The responsibilities for this position include the design, development, troubleshooting and maintenance of medium to large software projects written in C++. This will also include maintaining structure generation code in Sentaurus Process and Process Explorer, as well as developing code for new applications.

Requirements:

MS or Ph.D. in Electrical Engineering, Mechanical Engineering or Computer Science with 4 years of relevant experience.

A strong background in software engineering, C++ coding, data structures and algorithms.

A strong background in computational geometry is required.

Experience in applied mathematics. In particular it would be useful to know finite element/finite volume methods.

Optional requirements:

Knowledge of structure generation using implicit or explicit methods is desirable.

Knowledge of 3D unstructured mesh generation, Delaunay triangulations, and high quality FEA meshes is desirable.

The candidate should display good analysis and problem solving skills.

Parallel programming (TBB, OpenMP, MPI).

Experience developing large software packages.

Knowledge of Agile software development and design patterns.

To Apply:

<http://www.synopsys.com/company/synopsyscareers/Pages/jobsearch.aspx>

Search for posting with keyword 11460BR

For questions or more information, contact Luis Villablanca at Luis.Villablanca@synopsys.com.