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Semiconductor Device Engineer

General Electric - Niskayuna, New York, United States

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Job Description

You will be an integral part of a multidisciplinary team charged with developing novel device ideas and associated fabrication methods and transitioning devices to GE business units.

Be involved with the modeling, design, fabrication, and testing of semiconductor devices. Testing work may include reliability assessments and/or failure analysis of various devices.

Interact with government and GE partners and customers to understand their initiatives and tailor device research accordingly. Generate white papers and proposals towards government agency research initiatives.

Develop novel materials or device ideas to meet customer needs.

Provide technical expertise in areas such as semiconductor materials, device physics and design, and/or device fabrication and test. Expertise in the qualification and/or reliability of such devices is desired.

Participate in the transition of technology to GE business units.

Effectively communicate results by preparing written reports and making presentations describing analyses performed, solutions developed, and value obtained.

Work in a task or program leadership role to drive team success against program deliverables.

Stay abreast of literature and identify research trends relating to compound semiconductor-based power and/or sensor devices of interest to GE.

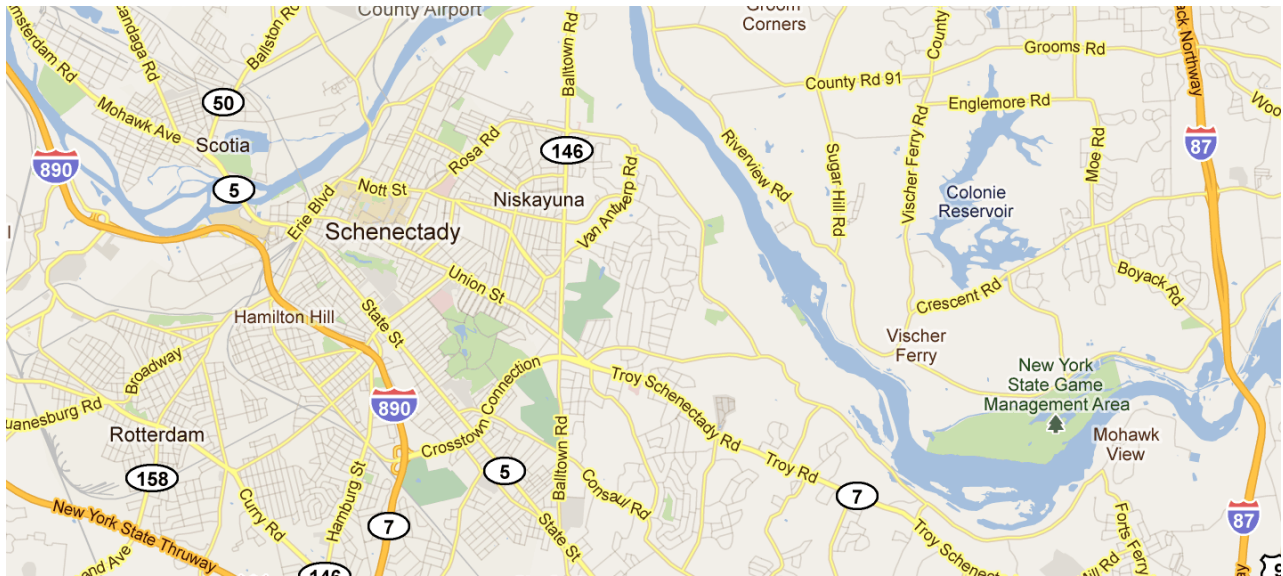
Job Qualifications

Doctorate degree or equivalent in Electrical Engineering, Material Science or Physics with experience in the field of semiconductor devices. Or, Masters degree or equivalent in Electrical Engineering, Material

Science or Physics with at least 5 years of work experience in semiconductor devices.
At least 3 years of experience involving compound semiconductor materials and/or devices.
Demonstrated experience in compound semiconductor device modeling, design, fabrication and testing.

Job Location

Niskayuna, New York
United States



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