Control Systems Engineer

Highland, IL

Job Summary:	Develop and maintain control system algorithms, models and simulations with assistance from senior level engineering staff, as needed.
Reports to:	Manager of Research and Development Engineering

Essential Duties:

- Develop and maintain computer and mathematical models for control systems developed by company.
- Assist customers and other engineers in performing simulations and stability studies related to control systems used on electric power systems.
- Develop detailed engineering specifications and proposals, for control and protection system algorithms.
- Design analog and digital control systems, including writing code for embedded applications.
- Develop control system models, algorithms, and/or proposals as required to support the project, estimating, and/or quoting phases of company systems and products.
- Provide training on control system models and their use in electric power system applications.
- Perform validation of control system and algorithm implementations in product designs using both software environment and hardware-in-the-loop simulation methods.
- Travel as required to support customer validation, training or other control system design issues.
- Other duties as required or assigned.

Requirements:

- Bachelor's degree or equivalent in Electrical/Computer Engineering with an emphasis and/or extended study in closed-loop control systems design and analysis.
- Experience in the areas of power systems or power generation analysis and simulation preferred.
- Proficient in C/C+ programming language.
- Proficient in the use of MATLAB® and Simulink® software tools.
- Excellent communication skills.

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Contact:

Basler Electric welcomes employment applications received directly from interested candidates. We prefer that you submit your resume in Microsoft® Word or Adobe® PDF format.

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