



Optimal Technologies International Inc. is expanding to become the leader in innovative grid optimization and building automation technologies. Optimal Technologies (US) Inc., a subsidiary of Optimal Technologies International Inc., is seeking experienced professionals with exceptional backgrounds in the design, and implementation of complex optimization, software and hardware systems.

This is an opportunity to be a part of a world-class team in an exciting and extraordinary time of Optimal's growth.

Position: **Senior Engineer/Researcher, AEMPFAST**

This is a salaried full time position.

Responsibilities: Responsible for design and development of AEMPFAST algorithmic modules related to power system planning and operational tools.

- Design and implement power system planning and operational tool modules for the AEMPFAST product.
- Develop and improve algorithms used in AEMPFAST software.
- Lead a team of excellent researchers in power system analysis to develop future AEMPFAST tools and packages.
- Participate and collaborate in planning and other power system study projects with AEMPFAST services team.

Location: Research Triangle Park Area, North Carolina

Compensation: Excellent compensation and benefit plan including participation in bonus, stock option, and stock ownership plans. Compensation is based on experience and performance.

Minimum Qualifications:

- 5-10 years of experience in design and development of power system analysis, planning and/or operational software including loadflow, dynamic stability and optimization packages.
- 3-6 years of experience as a senior level developer or researcher.
- Very good understanding of power system analysis problems and algorithms, especially optimization problems such as OPF, economic dispatch and unit commitment.
- A masters or Ph.D degree or equivalent in Electrical Engineering with Power Systems background.

Special Priority will be given to candidates with the following skills:

- Power utility experience in planning and/or operational roles.
- Experience with sparse matrix and other numerical analysis techniques.

Optimal Technologies is interested in inquiries and submittals from qualified candidates for this position. Please send inquiries, resumes, and salary requirements in Adobe Acrobat (pdf) format to aempfast-careers@otii.com