



Applications Engineer

PDF is seeking an experienced Applications Engineer to join the Taiwan R&D team, who is responsible for PDF's data pipeline, designed to reduce our client's yield loss and enhance our current products. The Apps Engineer is an organized and highly motivated team player with strong initiative and communication skills and possesses the drive to deliver quality results on time in a dynamic, multi-discipline, intensive and highly productive small team environment.

The position is located in Zhubei City, Hsinchu County Taiwan

What You'll Do:

- Drive inspection, analysis, and review of devices to reduce yield loss on some of the world's most advanced ICs.
- Oversee the data pipeline from measurement to extraction to analysis. Study IC layout files and write inspection recipes.
- Perform research and development of voltage contrast inspection using design of experiments.
- Enhance the understanding of voltage contrast techniques and fundamentals.
- Lead complex engineering projects
- Other projects and duties as assigned

What You'll Need:

- Master's degree or higher in Engineering Field
- Degree in Electrical Engineering, Applied Physics, Materials Science or similar engineering field
- Solid analytical and engineering skills
- 3+ years' experience in IC manufacturing
- Statistics and data analysis (NumPy, JMP, Tableau, MATLAB, etc.)
- Excellent written and verbal communication skills. Previous customer-facing role.
- Proficiency in verbal and written languages: English and Mandarin Chinese

Experience with the following is a plus:

- Python or other programming experience (Java, C#, C++, Ruby, Perl, etc.)
- Circuit modelling software (SPICE, etc.). Circuit design and validation tools (Cadence, Synopsys)
- Sub-22nm semiconductor fabrication (FINFET, Double Patterning)
- Vacuum tool ownership and maintenance. Vacuum systems and pumps, electron beam columns, wafer handling robots, and/or motion control

Submit English resumes to: loran.barnett@pdf.com with "Applications Eng-Taiwan" in subject line