



Experienced Systems Engineer Vacancy

Semiconductor devices provide the foundations on which progress in the technology sector are enabled. From Smartphones to Artificial Intelligence, 5G communications to autonomous vehicles, all are made possible through advances in semiconductor processes. Scaling these processes requires sub-nanometer measurement of increasingly complex 3D structures to enable more powerful devices. At **Infinitesima** we have pioneered a revolutionary atomic precision 3D metrology technology which has been qualified by leading companies in the semiconductor industry and we believe is essential for continued progress. To quote Lord Kelvin, *'If you can't measure it you can't improve it!'*. Come and join our dynamic team to enable the semiconductors for tomorrow's technological developments.

Do you have a passion for excellence and extensive experience in designing highly complex instruments? If so, we currently have an exciting opportunity for a **Senior Systems Engineer** to join our Engineering team

Location: Abingdon

Reporting to: Engineering Director

The Opportunity:

The successful candidate will receive hands on training on our current generation of Rapid Probe Metrology systems and given the responsibility to lead key design aspects of the next generation of Rapid Probe Metrology systems.

Key Responsibilities:

- Make the overall system design, defining the contributions from mechanics, optics, electronics and software and communicate to all contributors.
- Make and maintain system functionality breakdowns to mechanical, electronic, optical and software modules.
- Build an in-depth understanding of the machine operating characteristics.
- Make and maintain system performance budgets – understanding how each module contributes to the total system performance.
- Feed forward learning from integration testing into new designs

Personal Qualities:

- Able to work independently, setting priorities for own work based upon the company goals and targets.
- Engages with other member for the company to bring the best solutions to the problem recognise the value that fellow company members bring to enhance own abilities. Supports colleagues with their tasks when critical to the company goals.
- In own field establishes themselves as the knowledge centre.

- React and address both short and medium term issues and proactively take action to solve them.
- Focus on the company goal, avoid distraction, making timely decisions to achieve the target.

Education / Qualifications:

- Bachelor's degree or higher coupled with industrial experience.

Professional Skills/ Abilities:

- Essential: Ability to diagnose and fault-find to component level
- Essential: >5 years' experience in a Design Leadership role
- Essential: Experience working on complex instruments containing, for example, optics, electronics, software, motion systems.
- Ideally: Experience in micro/nano analysis or relevant fields.
- Ideally: Experience of Systems Engineering within leading-edge instrumentation, measurement or advanced process tools, for the Semiconductor or similar end-user industry

Benefits:

In addition to a competitive starting salary and a yearly bonus. Infinitesima offers flexible working hours, 25 days annual leave, personal pension contributions and EMI Share scheme.

All qualified applicants will receive consideration for employment without regard to race, colour, religion, sex, sexual orientation, gender identity, national origin, or disability.

Note to recruitment agencies: Infinitesima Ltd only works with approved agencies and does not accept unsolicited agency CVs. Please do not submit candidate details in response to this advert, or to any Infinitesima Ltd employees. Infinitesima Ltd is not responsible for any fees related to unsolicited CVs.