

Postdoctoral Position at NIST

Nanocalorimetry metrology for plasma-based process monitoring

NIST Materials Measurement Science and Nanoscale Device Characterization Divisions are expanding their research programs toward development of Advanced Metrology for Future Microelectronics Manufacturing.

Currently, a postdoctoral position for highly motivated and experienced experimentalist is available **to develop and test the nanocalorimetry-based in-situ metrology for plasma-based process monitoring**. This experimentalist position requires hands-on expertise in design & assembly of model plasma reactors, plasma diagnostics with Langmuir, optical probes, and measurements of radical /ion fluxes & energy distributions at the substrate level as well as deep knowledge of plasma-surface interactions. The preferred candidate will have some experience with SEM sample characterization, semiconductor device fabrication processes, excellent writing, communication, and teamwork skills etc. The post doc will work closely with the project leaders and will be encouraged to reach out to other parties across NIST for cross-lab collaboration. We would like to find someone who can start early in 2024 with anticipated annual pay to be around \$ 80,000.

If you or someone you know is interested in this exciting opportunity, or if you would like further information, please contact Dr. Andrei Kolmakov, andrei.kolmakov@nist.gov, 301-974-4724.

This is up to three years position would be located at the NIST campus in Gaithersburg, MD, USA.

The Department of Commerce is an Equal Opportunity Employer.