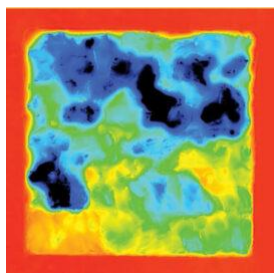


NEWS FROM THE ANALYTICAL INSTRUMENTATION FACILITY (AIF) - FEBRUARY 2022



AIF Image Selected for Prominent Journal Cover

AIF staff members Roberto Garcia, Fred Stevie, and Phillip Strader's recent work was highlighted as cover art for the January 2022 issue of the Journal of Vacuum Science & Technology B, which their work is also published in. This image shows the resulting topography change of a copper surface using an improved milling pattern with a Focused Ion Beam (FIB). The image was obtained with our Keyence VKx1100 confocal laser scanning microscope.

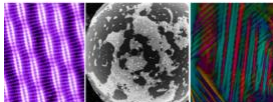
[Full Publication »](#)



AIF User Spotlight

Hannah Margavio is a second year PhD student in chemical engineering in Dr. Parsons group. She studies area selective deposition of thin films for applications in liquid solar fuels and semiconductor device fabrication. Read more about Hannah here.

[Meet Hannah »](#)



New AIF Brochure

Are you interested in learning about the new instruments and upgrades the AIF has acquired over the past year? Our 2022 electronic brochure is a great resource for those that are interested in our facility. If you'd like physical copies, please email Anna Lumpkin at arlumpkin@ncsu.edu.

[View Brochure »](#)



NC State Research Image Contest - Win \$250!

The Envisioning Research competition is now open and accepting applications! The contest awards the best visual representations of NC State research, including microscopy images. Graduate students, undergraduate students, postdocs, faculty, and staff can apply. The deadline is June 19, 2022. Show off the cool pictures you have from AIF!

[Learn More »](#)



Vacuum Technology - Vacuum Pumps Video

This AIF YouTube video is an introduction to vacuum pumps presented by AIF's Surface Science Lab Manager, Fred Stevie. Make sure to subscribe to receive notifications about all of AIF's new videos!

[Watch Here »](#)



New Job Opportunities

There are several open job positions listed on our website. If you or anyone you know may be interested, please click the link to view the positions.

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