

NEWS FROM THE ANALYTICAL INSTRUMENTATION FACILITY (AIF) - AUGUST 2018

New NSF award to acquire \$1M nano-imaging instrument

We are pleased to announce Dr. Jacqueline Cole, Asst. Prof. in the Joint Department of Biomedical Engineering (NC State and UNC-CH) has won an NSF Major Research Instrumentation (MRI) award for an X-ray nano-CT system. This system will allow researchers to study the intricate structures of very small internal features within many materials. Applications span dinosaur bones, cutting-edge polymers, new materials for energy storage, and specialized metals for artificial joints.

[Interview with Dr. Jacque Cole »](#)

AIF Open House and User Appreciation - August 31

Please join us for our annual Open House & User Appreciation event! The event will include an introduction for new users (presented by Dr. Ching-Chang (BB) Chung), AIF tours for new and existing users. An ice cream social will follow, featuring NC State's Howling Cow ice cream. Although the event is free, please RSVP for us to plan accordingly. Location: Monteith Research Center, room 136.

[Learn More & RSVP »](#)

Congratulations to Phillip Strader

Phillip Strader has won an inaugural national award from the National Nanotechnology Coordinated Infrastructure (NNCI) in the category of User Support. This award acknowledges the significant efforts by NNCI site staff who endeavor to provide excellent service and support to all network users. Thank you for all you do, Phillip!

[Read More »](#)

New AIF Website Rollout

We are pleased to announce the launch of our new website! Scheduling tours, subscribing to our newsletter, and many other features are now readily available. Special thanks to Anna Ragsdale for designing the site and to Matt Fields for implementation. Send suggestions for improvements to aif-contact@ncsu.edu.

[Check it Out »](#)

It's not too late to apply! Postdoc opening in electron microscopy at AIF

The Analytical Instrumentation Facility (AIF) has an immediate opening for a postdoc in electron microscopy. The postdoc will provide training and expertise to our dynamic user base, collaborate with users, develop and publish new techniques, and deliver seminars and short courses. The postdoc will primarily work with the FEI Talos, FEI Titan, FEI Quanta, and FEI Verios instruments.

[Apply Here »](#)

SEM Short Course

AIF is offering another SEM short course on August 10, 2018. In addition to two lectures on SEM theory, each participant will get hands-on time running the AIF variable pressure SEM (VPSEM). The goal of the course is to provide users with a basic knowledge of both the theory and practice of SEM imaging, the data that can be derived thereof, and to understand what the generated data means. For more details and to register, please contact Chuck Mooney at cbmooney@ncsu.edu.

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