MAY 8, 2024

Affiliate Faculty Newsletter
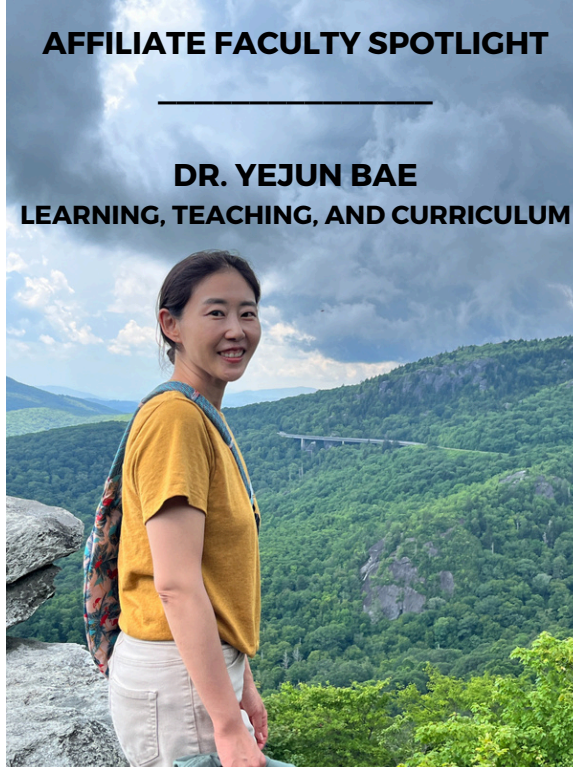
AFFILIATE FACULTY SPOTLIGHT
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DR. YEJUN BAE
LEARNING, TEACHING, AND CURRICULUM

Dr. Yejun Bae is an Assistant Professor in the Department of Learning, Teaching, and Curriculum. She started at AppState in 2023. When asked about her hobbies, Dr. Bae said, "I have a passion for exploring nature through activities like hiking and camping. Additionally, I find joy in delving into new recipes and culinary adventures (Fun fact: one time, I became obsessed with creating an edible brain model using a variety of baking methods—brownies, cakes, ice creams, rice cakes, jelly, etc. But sadly, my culinary adventures are often mistaken for anything but brain models.)"

Dr. Bae has been actively involved in outreach associated with the MSEC, including presenting at a Wilkesboro Elementary Family Math Night, hosting an interactive booth at the STEAM Expo, and volunteering to judge for both the NC Science & Engineering Fair and the NC Student Academy of Science competitions. In addition, this summer, she will be teaching a science course at NCSSM-Morganton titled "Kitchen Wizards: Unveiling Science Secrets in Your Kitchen."

Dr. Bae's scholarly endeavors revolve around fostering inclusive teaching and learning environments: 1) a collaboration with the research team at the University of Missouri-Columbia to develop STEM faculty inclusive teaching reflection protocols, 2) a project focusing on multicultural education in South Korea and Asian women faculty's identity and intersectionality, collaborating with fellow researchers to explore these important topics, and 3) mentoring high school youth researchers, delving into the connections between students' peer relationships and their sense of belonging in school, with the aim of enhancing inclusivity and safety in learning environments.

Alongside these endeavors, Dr. Bae enjoys conducting quantitative secondary data analysis, which often sparks fresh perspectives and innovative ideas for research projects. She states, "I'm open to working with anyone who offers supportive and kind collaboration. I enjoy exploring different perspectives and learning from diverse views. Collaborating with others is an important part of how I grow and develop."

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Future Faculty Affiliate Gatherings:

Show off your workspace/lab by co-hosting the next Affiliate Faculty meeting! Please reach out to Chrystal Dean deanco@appstate.edu

Our goal is to start meeting twice a semester beginning Fall 2024.

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Know others that might want to be MSEC Affiliate Faculty?

Have them reach out to Chrystal Dean deanco@appstate.edu

SPRING AFFILIATE FACULTY SOCIAL

Our Spring MSEC Affiliate Faculty Social was held on Friday, February 16, 2024. Hot Cocoa, coffee, cookies, and popcorn were enjoyed while we gathered informally in the RCOE Rotunda for the first hour. Afterwards, we met in room 124 for updates, introductions of new MSEC Affiliate Faculty members, and time to meet with working groups.

Next year, we would like to expand our meetings to twice a semester and meet in other locations besides the RCOE. The idea is to keep moving forward with a little more time to work, without expecting faculty to meet outside of MSEC Affiliate Faculty gatherings. We would love a co-host for our next meeting. You could show others your workspace/lab. If you are interested, please reach out to Chrystal (deanco@appstate.edu).

RESEARCH RESOURCE

The Research Computing Services (RCS) group and the Office of Research and Innovation (ORI) are offering data visualization, automation, and computational services to assist faculty with their research endeavors. They can assist with these common data related tasks:
- reformatting, processing, and/or visualizing data from sensors or any data source.
- managing a large amount of data or files that need to be combined and/or visualized into a single dataset.
- automating repetitive tasks that you currently do in Excel or other graphical software.
- finding solutions to improve poor computer performance.
- access to High-Performance Computing (HPC) resources.
- access to computers that have large format displays and more processing power than a typical faculty computer.
- data storage needs that are not currently being met.
- assistance with implementation of advanced statistical models in R or Python.
- web-based hosting of an existing or new database.

Affiliate Faculty Perk

Meet in our Science Conference Room
- six or fewer people
- people may come in and out for resources

Email Leah McManus to reserve mcmanusld@appstate.edu

KEEP IN TOUCH

Website:
msec.appstate.edu

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Facebook:
https://www.facebook.com/AppStateMSEC

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Instagram:
https://www.instagram.com/appstatemsec

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