Nikki,

For your next Friday mail.

Thanks,
Nate

Nathan Mosier
Professor and Head | Agricultural & Biological Engineering
Indiana Soybean Alliance Chair in Soybean Utilization Research
o: 765-494-1162 | mosiern@purdue.edu | purdue.edu/abe

From: Bradley Marks via ASABE Engage <Mail@ConnectedCommunity.org>
Sent: Wednesday, April 10, 2024 10:28 AM
To: Mosier, Nathan S <mosiern@purdue.edu>
Subject: EOPD-210 Department Heads : MSU - Faculty Cluster Hire in Ag Climate Resiliency

---- **External Email**: Use caution with attachments, links, or sharing data ----

EOPD-210 Department Heads

Post New Message

MSU - Faculty Cluster Hire in Ag Climate Resiliency

Reply to Group   Reply to Sender

   Apr 10, 2024 10:28 AM
Bradley Marks

Colleagues,

I hope you all are enjoying the homestretch to the end of semester, commencements, etc.

I previously sent you an announcement for two new tenure-system assistant professor positions (Research+Extension) in MSU BAE (**Groundwater Hydrology** and **Water Quality Monitoring**), posted as part of a state-funded initiative and cluster hire in *agricultural climate resiliency*. The public posting is here: careers.msu.edu/en-us/job/517698/... Screening of candidates will begin soon, but the posting is still open, so please pass on to any appropriate local listservs, etc.

==NEW INFO==: The cluster hire currently includes six positions and will ultimately include twelve across the College of Agriculture and Natural Resources. This includes several that will be housed in other academic departments, but which could be *very suitable for some biological/agricultural engineers*. These include:

- **Aginformatics in Entomology**. The successful candidate will develop a research program that integrates investigation of arthropod biology and ecology with new and emerging technologies to model insect population dynamics, pest risk, and to develop novel management strategies. We are particularly interested in candidates with experience in big data, machine learning, real-time remote sensing, robotic or UAV technologies, artificial intelligence, or other innovative analytical/technological tools to advance pest management systems. Housed in Entomology. Posting is <here>.
- **Geospatial Modeling – Climate-Smart Agricultural Management Decisions**. Modeling climate-smart agricultural management practices using remote sensing, climate data, soil information and more. Home department likely will be Plant, Soil, and Microbial Sciences and/or Horticulture. Posting pending soon, but watch <here> for information.
- **Lifecycle Analysis of Agricultural Systems**. Greenhouse gas emissions, impact of management, cost of inputs - with the goal of identifying return on investment for farmers. Home department likely will be Plant, Soil, and Microbial Sciences and/or Horticulture. Posting pending soon, but watch <here> for information.

All three of these additional searches will be looking for candidates with quantitative modeling skills and experience that many of your graduates and post-doctoral staff possess, and opportunities for cross-department appointments always exist, so please circulate to your local networks as appropriate.

THANKS!

Brad

Bradley P. Marks, Ph.D., P.E.
Professor and Department Chairperson
Biosystems & Agricultural Engineering
Michigan State University

524 S. Shaw Ln

East Lansing, MI 48824

SPARTANS WILL