

**Postdoctoral position for femtosecond absorption spectroscopy
of magnetic membranes at University of Wisconsin-Madison**



The Wisconsin Materials Research Science and Engineering Center (MRSEC) has an immediate job opening for a postdoctoral position. The successful candidate will lead the research program on ultrafast magnetism in 2D strained membrane materials at the XUV femtosecond absorption spectroscopy tabletop (*X-FAST*) national user facility operated by MRSEC. In addition, the candidate will run the *X-FAST* user program and upgrade the facility for a THz pump and various sample environment capabilities.

The candidate should have a strong experimental background in experimental X-ray, laser, THz, or related research. Experience with ultrafast spectroscopy including THz and materials science is preferred. At the start of employment, the candidate must hold a PhD in Materials Science, Physics, or a related field.

Examples of research carried out at X-FAST can be found here:

<https://bergmann.physics.wisc.edu/wp-content/uploads/2021/02/pub203-1.pdf>

<https://doi.org/10.1063/5.0146553>

<https://www.nature.com/articles/s41567-020-0947-0>

<https://www.science.org/doi/10.1126/science.aar2711>

For more information on the research groups of the MRSEC PIs related to this opening see:

<https://bergmann.physics.wisc.edu/>

<https://xiaolab.wisc.edu/>

<https://kawasakigroup.weebly.com/>

Please send the application, including a brief research statement, CV, and names of three references to ubergmann@wisc.edu, jun.xiao@wisc.edu, or jkawasaki@wisc.edu.

Handwritten signature of Jun Xiao in black ink.

Jun Xiao
Assistant Professor

Department of Materials Science and Engineering

Handwritten signature of Jason Kawasaki in black ink.

Jason Kawasaki
Associate Professor

Handwritten signature of Uwe Bergmann in blue ink.

Uwe Bergmann
Professor

Department of Physics