

Doctorial Training in Civil Engineering for Infrastructure Preservation and Resilience with Emerging Technologies

Missouri S&T is recruiting highly-motivated doctoral students in civil engineering. Projects will focus on infrastructure preservation and resilience with emerging technologies. The program is centered on materials, pavement, geotechnical, structural, and transportation engineering research areas and will extend to other civil engineering areas as well. Research will encompass the areas including but not limited to: 1.) sustainability, reliability, and resilience of infrastructures under extreme conditions, 2.) advanced inspection and maintenance of infrastructure with remote sensing, real-time data-enabled and non-destructive condition assessment, 3.) artificial intelligence-supported infrastructure performance modeling, prediction and management, and 4.) operation and preservation of infrastructure system leveraging for deployment of cutting-edge technologies. These areas of study and innovation are critically important to restore and improve the current aging infrastructure, and to maintain the welfare of our global citizens and communities.



ELIGIBILITY FOR A GAANN FELLOWSHIP

- Must be a U.S. citizen or a permanent resident of the United States.
- Applicants must be accepted into the doctoral civil engineering program at Missouri S&T.
- Strong GPA and GRE scores, and have a strong desire to conduct research.

GAANN FELLOWSHIP BENEFITS

- Receive a yearly stipend of **up to \$34,000** (based on demonstrated financial need).
- A full tuition waiver and resources to conduct their research, attend technical conferences, etc.
- Conduct cutting edge research with leading faculty in the field.



APPLICATION PROCESS

Apply to the Missouri S&T civil engineering doctoral program at futurestudents.mst.edu. Then email Jeannie Werner for a GAANN application.

You will then be required to submit the following:

- Name and email address
- Official GAANN application
- Unofficial transcripts (undergraduate & graduate)
- CV/Resume
- Description of current or proposed research.
- One-page statement on how a doctoral degree will fit into your future plans.

Please return the completed GAANN application to Jeannie Werner by email at wernerje@mst.edu.

Underrepresented students are especially encouraged to apply.

QUESTIONS?

Dr. Jenny Liu, Program Director
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-or-
Jeannie Werner, Graduate Student Assistant
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