



## How does MRI work? Fireside Science “Chats” Go Global!

Have you ever been to the hospital and had to get an MRI (Magnetic Resonance Imaging)? The giant machine is able to see your organs and tissues using magnetism. How does it do that? **Join IEEE R2 WIE’s Fireside Science Chat with Dr. Susan Eskin to find out!**

Dr. Eskin is an Assistant Teaching Professor of Physics at Penn State Harrisburg and she will be explaining how MRI works and how it can be used to study the human body, the brain and many more.

The Zoom virtual meeting is targeted to middle and high schoolers – all are welcome! Free.

**Saturday May 30, 2020 (8pm-9pm EDT) Zoom Meeting ID: 830 8890 1686, Password: 179858**

The Fireside Science Chats was started by Chang Liu, IEEE R2 Leader, to engage middle and high school students in China during the COVID-19 pandemic in January 2020. The success of these lectures inspired IEEE R2 WIE to engage with students all across the globe. For more information about the origin of the Fireside Science Chats visit <https://lisasiliu.github.io/FiresideScienceChat/>.

**IEEE Women in Engineering**  
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Join us and “chat” with a WIE member

## Fireside Science “Chats” Go Global

a new STEM collaboration

The Fireside Science Chats that started in January 2020 with middle and high school students in “locked-down” Chinese cities have been successful. The IEEE Region 2 WIE is inspired from their success. We are starting a new initiative as a spin-off and inviting middle and high school students from every where in the world.

*Wolfram Betterman, IEEE R2 Director*  
*Carole Carey, IEEE R2 WIE Coordinator*  
*Chang Liu, IEEE R2 Leader and Idea Creator*

### FIRESIDE SCIENCE CHAT 10

**LECTURER:**  
Dr. Susan Eskin, Assistant Teaching Professor of Physics  
School of Science, Engineering, and Technology, Penn State Harrisburg

**TOPIC:**  
**MRI (Magnetic Resonance Imaging) Demystified**

**DESCRIPTION:**  
Magnetic Resonance Imaging (MRI) combines science, technology, engineering and mathematics to create medical images. We’ll chat about how MRI works and explore some of the MRI methods used to study how the brain and body work.

**TIME:**  
Saturday 05.30.2020, 8 pm - 9 pm Eastern Time

**ZOOM MEETING INFORMATION:**  
Meeting ID: [830 8890 1686](https://us02zoom.us/j/83088901686)  
Password: 179858

<https://lisasiliu.github.io/FiresideScienceChat/>