



FLORIDA STATE  
UNIVERSITY

Department of Physics  
Florida State University  
Tallahassee, Florida 32306-4350

23 September 2019

Dear Parents, Teachers, Administrators, and Friends,

Saturday Morning Physics introduces students and community members to current topics in physical science, presented by scientists active in research. We seek to educate, entertain, and inspire. We offer this program free to the participants; it is funded by Florida State University. Over the years, thousands of students of all ages have enjoyed Saturday Morning Physics, learning and benefiting from the opportunity to interact directly with working scientists.

Please help us by distributing information about this year's program. The first presentation will be Saturday, October 5, in the Richards Building auditorium (Undergraduate Physics Laboratory, 1055 Atomic Way) on FSU's campus. Please encourage students to attend! The Physics Department will provide attendance records for teachers who want to consider Saturday Morning Physics for extra credit.

The schedule (below) and a map are available online at <http://physics.fsu.edu/saturday-morning-physics> and may easily be found by searching for "FSU Saturday Morning Physics." Sessions start at 9:30 and run until about 11:15.

10/5/2019	<b>Astronomy in a Universe Filled with Light and Dark Matter</b> Explore the Universe from sub-atomic particles to black holes to clusters of galaxies, testing the extremes of natural laws. A free FSU planetarium show is included.	Dr. Kevin Huffenberger Dr. David Collins
10/12/2019	<b>Physics of Waves</b> Catch the wave with these spectacular demonstrations of the physics of waves.	Dr. Christianne Beekman Dr. Sean Dobbs Dr. Hanwei Gao
10/19/2019	<b><a href="#">Physics on the Web</a> / Quantum Information &amp; Technology</b> The web is a fantastic place to explore physics - find out why and where. Learn about quantum computing and using the fundamental laws of subatomic nature to process information	Dr. Vladimir Dobrosavljevic Dr. Hitesh Changlani
10/26/2019	<b>Particle Physics: What Matter Is and How We Know</b> Learn of the discoveries that informed our understanding of the fundamental forces of nature, and what the future may hold!	Dr. Rachel Yohay Dr. Kohsaku Tobioka
11/2/2019	<b>Forging Elements in Exploding Stars and in the Lab</b> Discover how exploding stars made us all, and how we study nuclear processes here on Earth.	Dr. Jeremiah Murphy Dr. Sergio Almaraz-Calderon
11/9/2019	<b>The National MagLab and Strange Superconductors</b> Learn about magnet research and future applications in our society. During this week, participants must go to the Magnet Lab at 1800 E. Paul Dirac Drive Tallahassee, FL 32310. <b>ALL participants are required to have closed-toe shoes.</b> Due to space limitations, the Magnet Lab session will be split in two. Attendees arriving before 9:30 am will join the first session, while others will join a 10:30 am session. Magnet Lab tours will also be organized.	Dr. Laura Greene
11/16/2019	<b>Physics of Sports</b> See demonstrations of physics principles applied to everyday sports.	Dr. David Lind Dr. Paul Eugenio

Feel free to contact me ([khuffenberger@fsu.edu](mailto:khuffenberger@fsu.edu)) if you have further questions.

Sincerely,

Kevin M. Huffenberger  
Associate Professor, Florida State University, Department of Physics