



**Old Dominion University
Department of Physics
Colloquium**

Tuesday, October 3, 2023

"Teaching in the 21st Century"

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Abstract:

Student education in the 21st century is characterized by a vast wealth of information, accessed primarily through social media and online search engines. Correspondingly, availability of online courses has been steadily growing and the COVID-19 pandemic created even more demand for remote education options. We examine the academic successes and pitfalls that students currently experience. Emphasis is placed on a need for science media literacy to equip students with the skills to critically analyze scientific information from various media sources. We also examine the challenges and opportunities with technological tools to enhance student's education, ensuring quality education regardless of location. Methods are presented to use "remote chalkboards" to inculcate student's mathematical literacy. Concise examples of generative AI are given for educators to incorporate AI-tools into their courses. Lastly, we demonstrate tools to write HTML presentations that offer dynamic and visually appealing ways to engage student through the medium that modern students predominantly use.

Presentation: OCNPS 200 @ 3:00 pm

Refreshments: OCNPS Atrium @ 2:30 pm

All interested persons are cordially invited to attend.