

# 2023 J. Mark Sowers Distinguished Lecture Series

VIRGINIA TECH COLLEGE OF SCIENCE

## Nigel Lockyer

Professor of Physics  
Cornell University

## Particles and Accelerators are Tools: What are they good for?



**September 19, 2023**

**7:30 pm EDT**

Assembly Hall  
Holtzman Alumni Center  
901 Prices Fork Rd, Blacksburg

**READ MORE ABOUT DR. LOCKYER AT [SCIENCE.VT.EDU/SOWERS](https://science.vt.edu/sowers)**

### ABSTRACT

Humans have been using tools since the stone age. Today, the tools are everywhere and becoming more and more sophisticated. I will start by discussing a brief history of elementary particles and accelerators and how we use them for all sorts of things that range from manufacturing, to sophisticated medical procedures, to advancing science. I will close with some thoughts on the future of where this field is going.

**ALL TALKS FREE AND OPEN TO THE PUBLIC**

Watch previous talks at [science.vt.edu/sowers](https://science.vt.edu/sowers)  
[sciencersvp@vt.edu](mailto:sciencersvp@vt.edu) ■ 540.231.5643

