



# Old Dominion University Department of Physics

## Colloquium

**Tuesday, October 3, 2017**

"A Nanosecond-Timescale Feedback System for Linear Colliders"

**Ryan Bodenstein  
University of Oxford**

**Abstract:** The Feedback on Nanosecond Timescales (FONT) group, based at the University of Oxford and part of the John Adams Institute for Accelerator Science (JAI), has developed a feedback system to be used near the interaction point (IP) of two proposed linear colliders: the International Linear Collider (ILC), which is to be based in Northern Japan, and the Compact Linear Collider (CLIC), which is to be based at CERN. This talk will begin with a general discussion of both of these machines, and will then proceed to describe the feedback system. Everything discussed will be aimed at a general physics audience.

Presentation: **OCNPS 200 @ 3:00 pm**  
Refreshments: **OCNPS Atrium @ 2:30 pm**

**All interested persons are cordially invited to attend.**