



Online Ethics Center
FOR ENGINEERING AND SCIENCE

A "Public Inspired Science" Graduate Training Program

Author(s)

Marc Edwards
Siddhartha Roy

Year

2021

Abstract

This video discusses the "Public Inspired Science" training program at Virginia Tech that has led to data exposing environmental injustices in several locations. The program aims to create a culture in which altruistic ethical actors learn street smarts and coping strategies so that they can uphold their aspiration and duty to protect the public welfare.

The goals of this project include:

- Retain and train altruistic, ethical engineers who seek and speak the truth — especially when doing so is unpopular
- Acknowledge and overcome barriers to ethical practice (i.e., personal bias, perverse incentives, institutional corruption, shunning)
- Understand historical dangers of ill-informed academic activism, but also learn effective "last resort" strategies for whistleblowing
- Generate valid scientific data, oftentimes in direct collaboration with the public, to assist stakeholders in evaluating complex problems
- Cultivate engineering ethics "street smarts" and coping strategies through case

studies and engagement with unfolding public dilemmas

Body

{"preview_thumbnail":"/sites/onlineethics/files/styles/video_embed_wysiwyg_preview/public/v
Video (Responsive)."}]

[Poster \(PDF\)](#)

Rights

Use of Materials on the OEC

Resource Type

Multimedia

Parent Collection

Promising Practices and Innovative Programs in the Responsible Conduct of Research

Topics

Environmental Justice

Public Health and Safety

Discipline(s)

Research Ethics

Engineering

Life and Environmental Sciences

Public Health

Publisher

Online Ethics Center