**BRIC SEMINAR**

**John Vennekate**

**Accelerators for Environmental Applications**



The history of environmental applications of ionizing irradiation dates back to the 80s and 90s of the last century. Electron beam has proven to be a useful tool for the treatment of industrial waste water and flue gases and is already in use in multiple pilot plants in East Europe and Asia. It also offers a new alternative for tackling rising challenges for the wastewater treatment industry of the future in form of newly discovered harmful contaminants.

The talk presents developments that enable a technology transfer of well-established superconducting accelerator technology from science to this field of environmental applications with a focus on water treatment. Recent achievements and future concepts are summarized with an emphasis on the pioneering work done at Jefferson Lab.

**Wednesday, 09 April 2025**

**4:00 pm**

**Auditorium**

Zoom (Meeting ID: 161 376 6098 Passcode: 206846)