

# CHARLES EDISON

## LECTURE SERIES

# FARADAY'S CHALLENGE

Wednesday, September 11, 2019  
4 p.m.

118 Nieuwland Science Hall  
*Reception precedes event at 3:30 p.m.*  
202 Nieuwland Science Hall



In 1815 Michael Faraday was gifted a voltaic pile – the first battery. He embarked on a series of experiments that led to the electrical dynamo and the electrical motor. But fossil fuels were cheaper, leading to the dominance of the combustible engine. This stalled the advancement of electrochemical technology. In this talk, Littlewood will discuss how to accelerate the transition to an electrically powered sustainable economy.

### **Peter B. Littlewood, Ph.D.**

Professor of Physics, University of Chicago  
Former Director, Argonne National Laboratory  
Founding Executive Director, the Faraday Institute