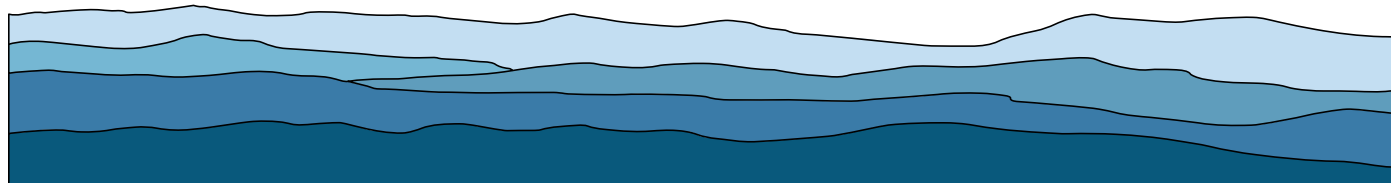


HIGHLANDS IN CHEMISTRY SEMINAR SERIES



ANNABELLE LEE MEMORIAL LECTURE



STAN WHITTINGHAM

BINGHAMTON UNIVERSITY

“What are the Chemistry and Materials Limitations to Advancing Lithium Batteries to the Next Level?”

SEPTEMBER 20, 2019

2:30PM

HAHN HALL NORTH 140

FACULTY HOST:
FENG LIN

Over the last 40 years, lithium batteries have come from a novelty to a multi-billion dollar business, dominating and enabling not only the power sources for portable electronics, but also those for electric vehicles and now grid storage. Without them, many of today's electronics would not exist. They have achieved this success, whilst attaining less than 20% of their theoretical volumetric energy density. Substantial improvements are possible, and will be obtained through materials and chemistry breakthroughs. Some of the opportunities for breakthroughs will be discussed.

ABOUT THE ANNABELLE LEE MEMORIAL LECTURESHIP

The Annabelle Lee Memorial Lectureship was established to honor the memory of Annabelle Lee Dessy. During the 1966-67 academic year, she suggested a name for a newly formed research seminar series, "Highlands in Chemistry", reflecting the geographic location of Virginia Tech and the wish that the program would reach out to the very best scientists. Created at the urging of the new Department Head at that time, Alan Clifford, the series has now been continuously offered for over 50 years.