



## **Batteries are like Humans**

- •Hate to be overworked
- •Fussy about external pressure
- •Dislike extremes in temperature
- •Diverse in chemistry, size, and shape

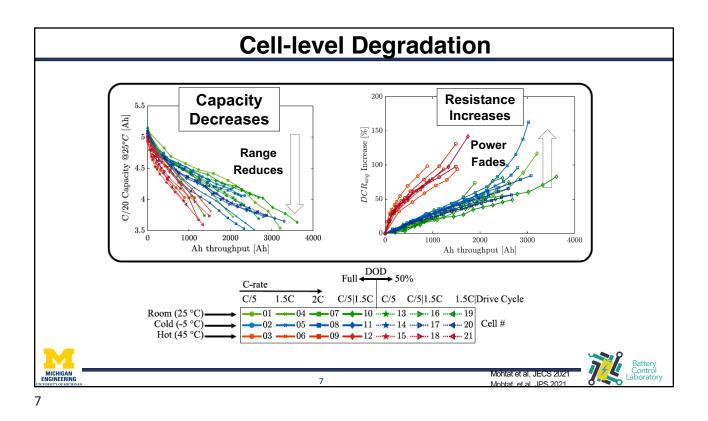
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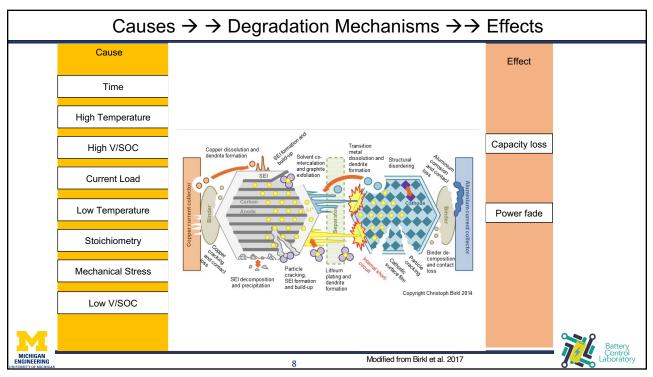
- Statistically faulty
- •All cells must die, sometime

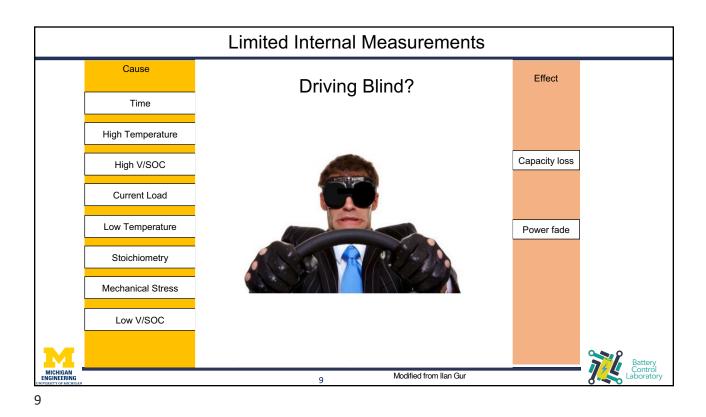


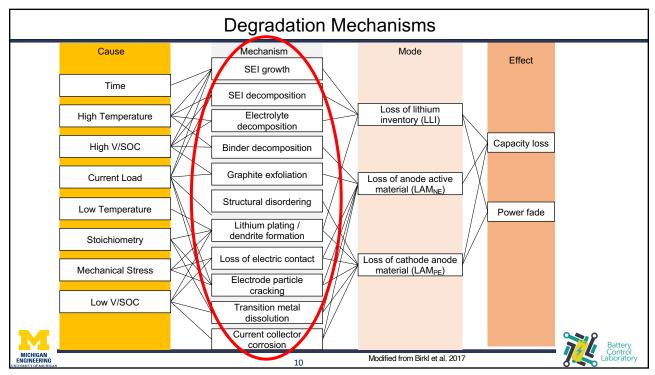
GM Brownstown Battery Assembly Plant Worker Tina Oaks attaches a wiring harness on a Spark EV battery pack Tu May 13, 2014; J.F. Martin for GM, appeared in Detroit Free Press Dec 18, 2018

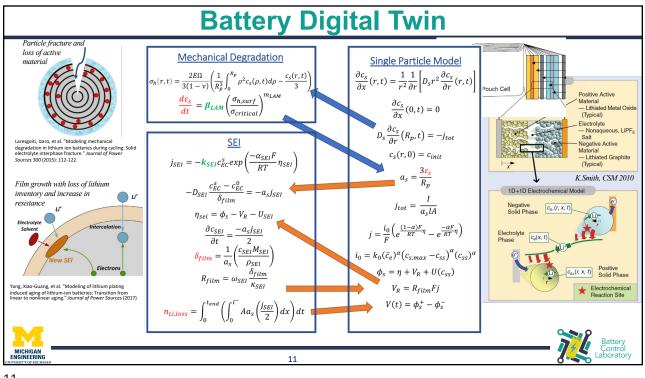




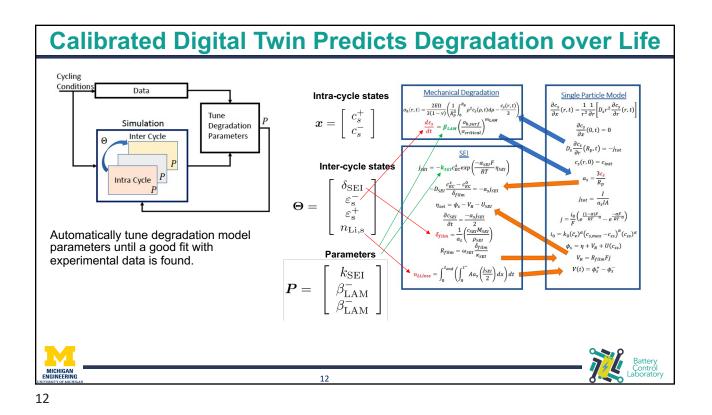


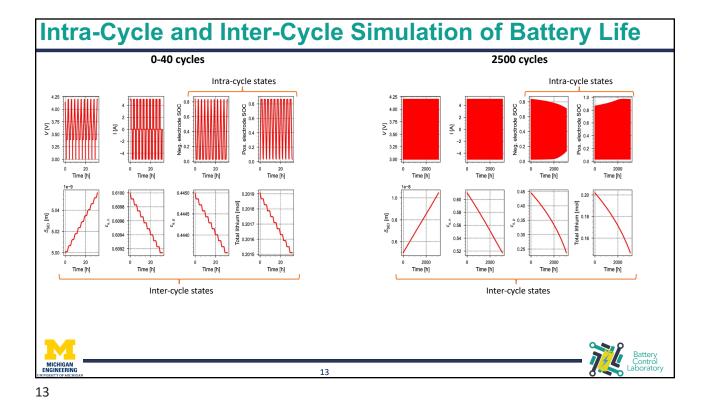


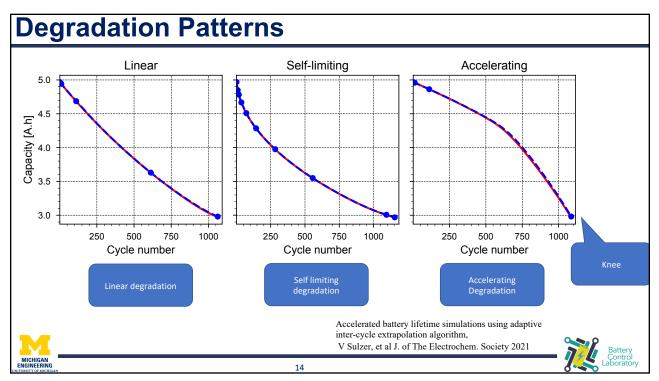


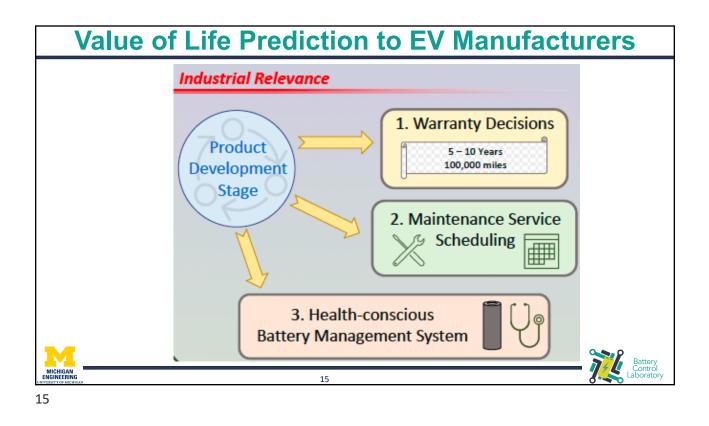


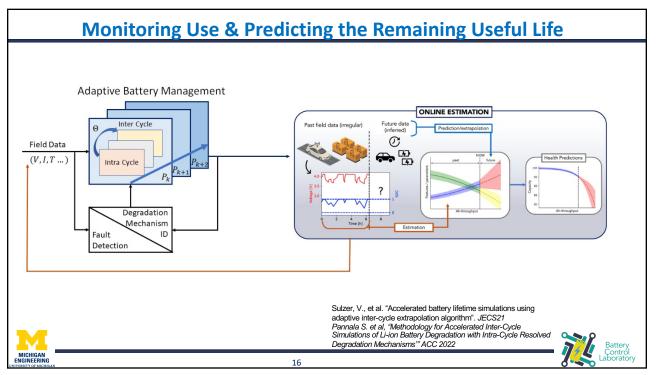


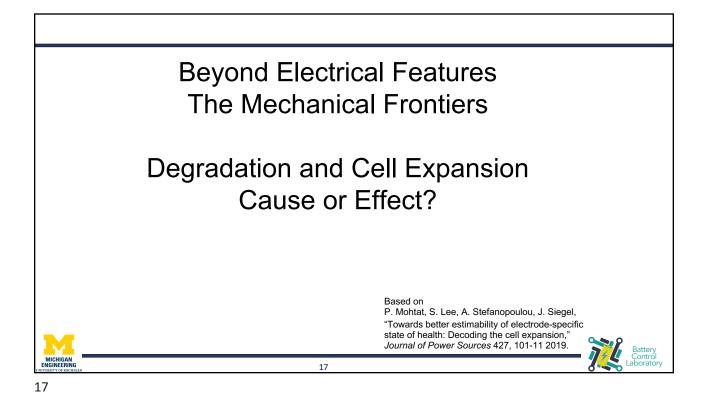


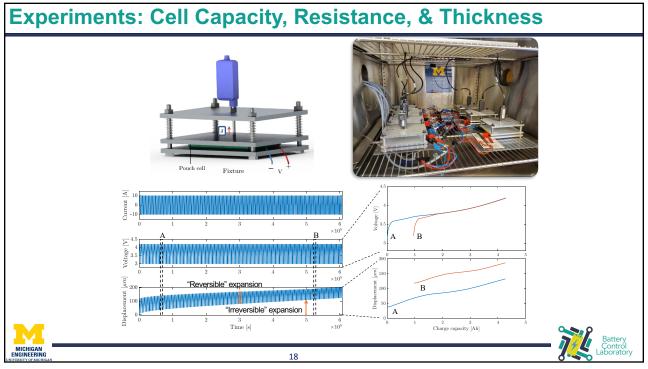


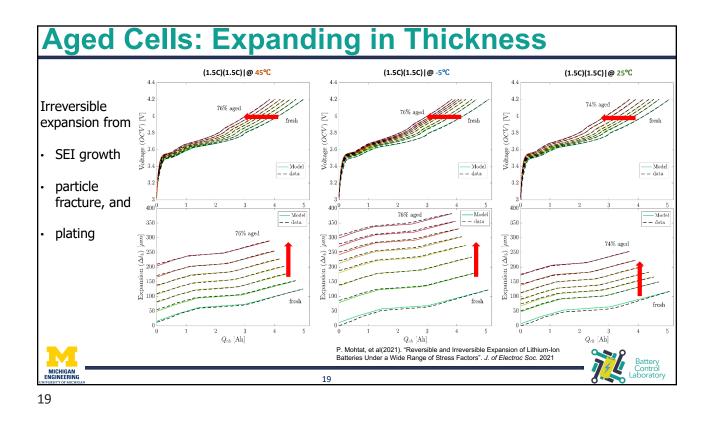


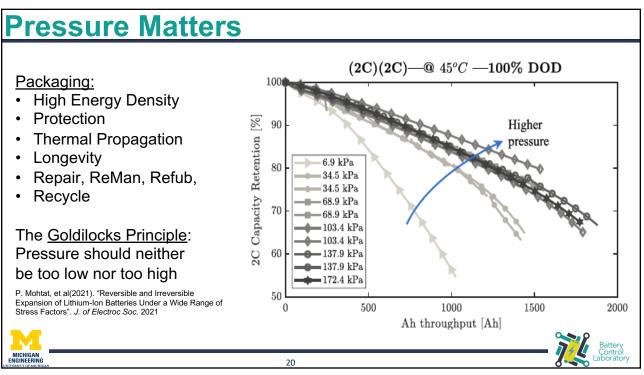


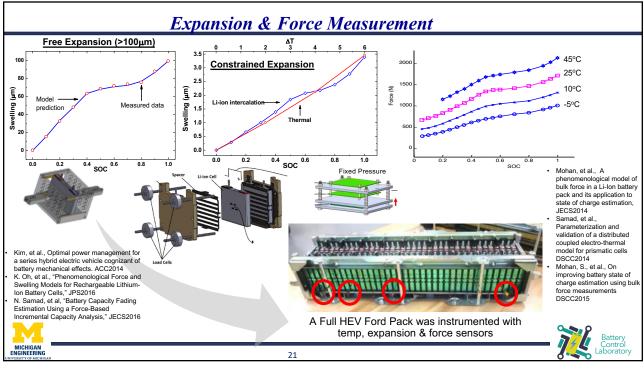




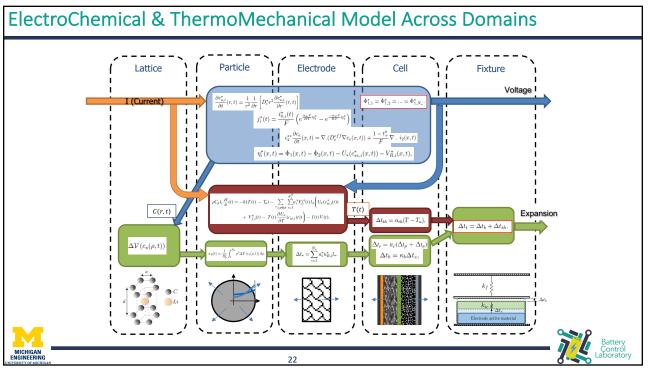


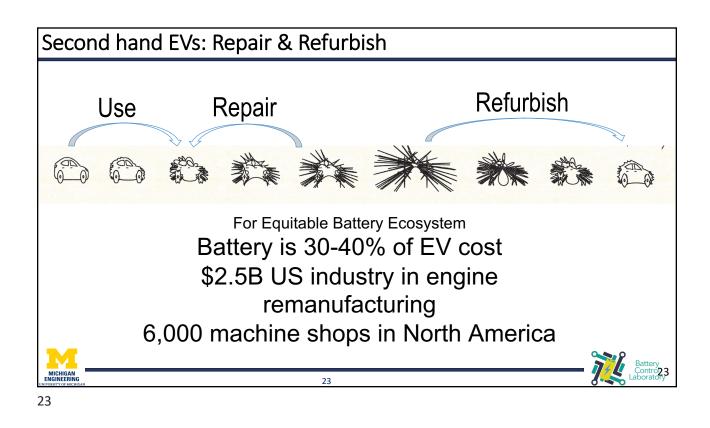


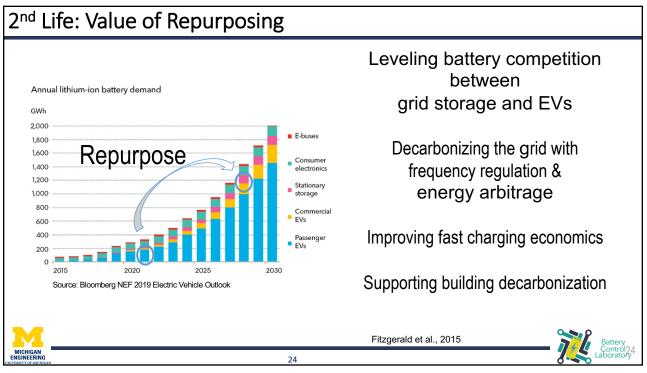


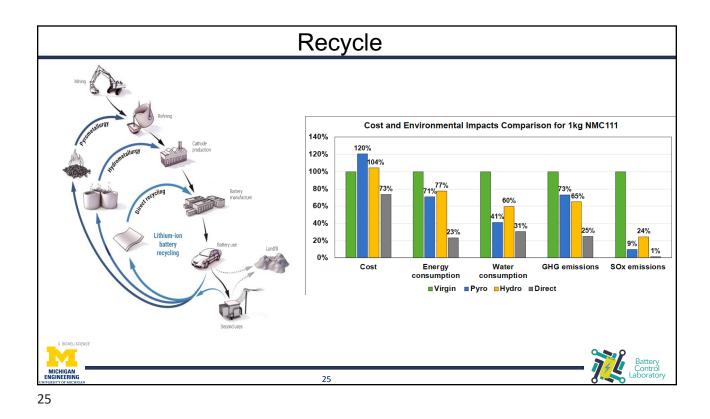


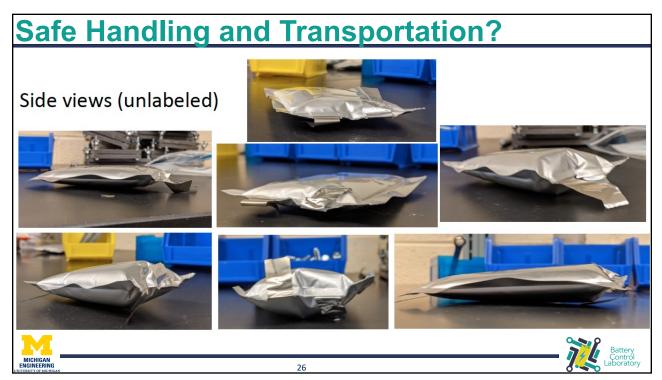


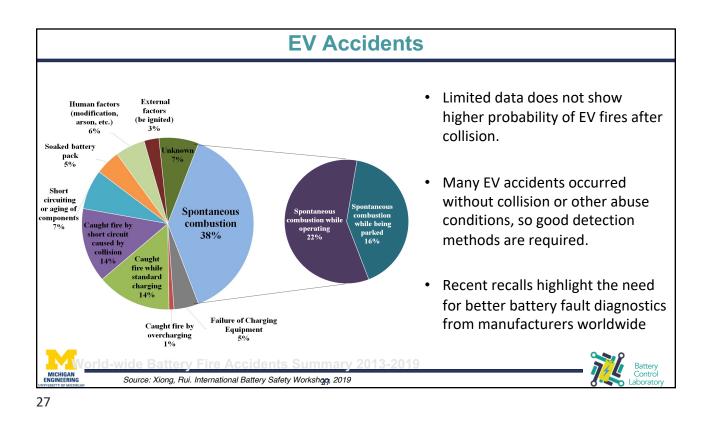


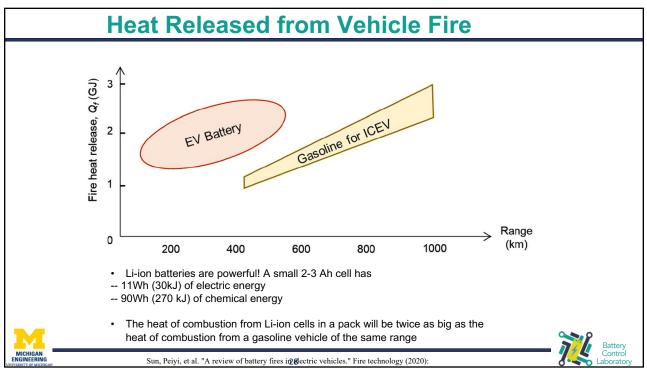


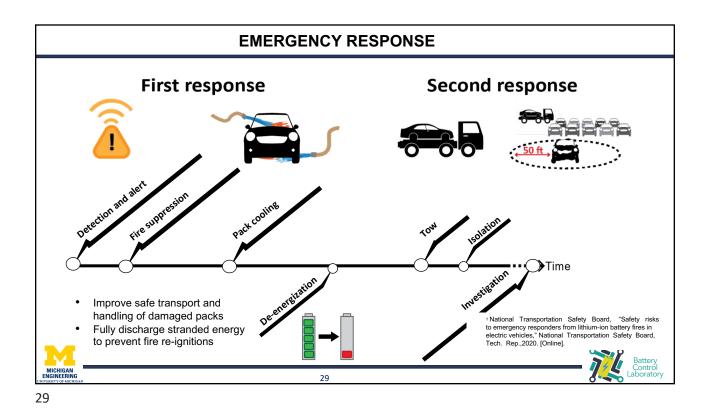




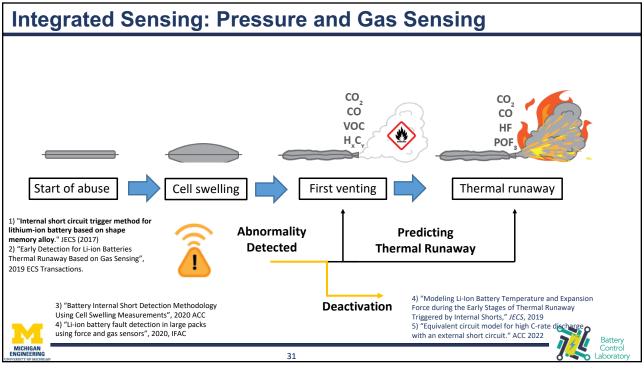




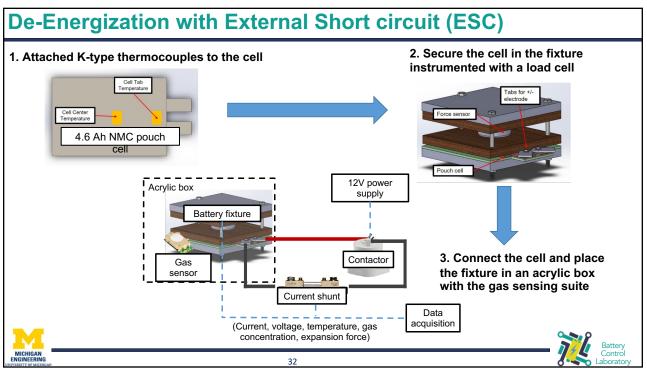


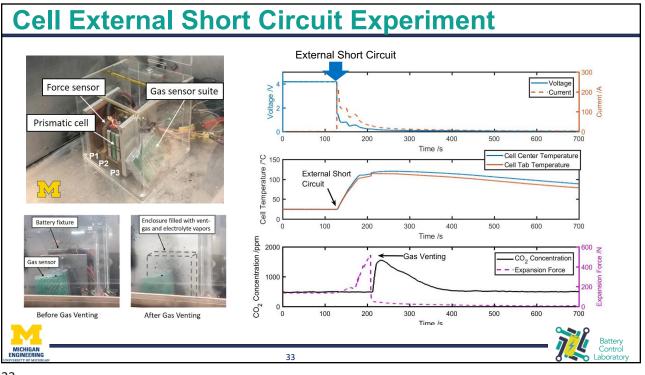




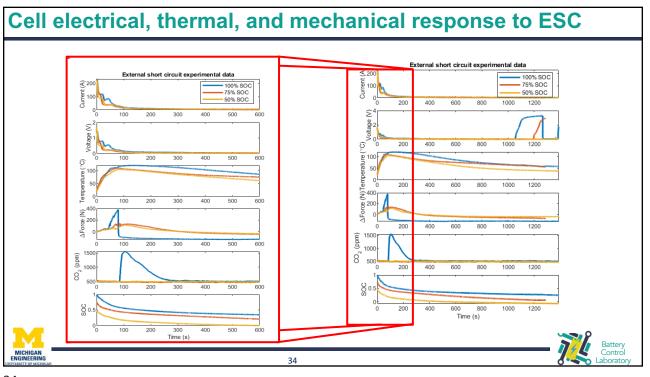


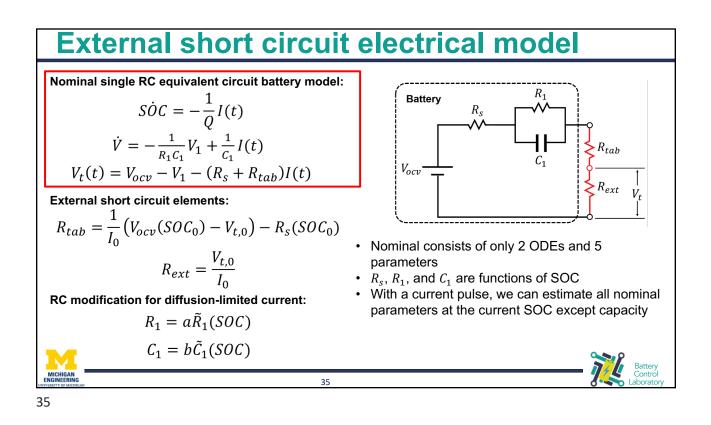


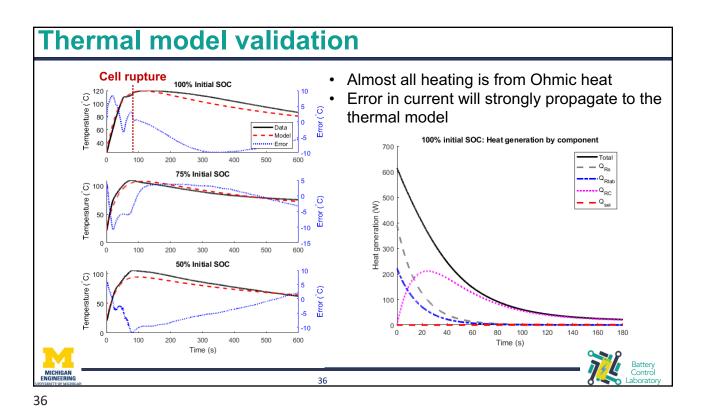


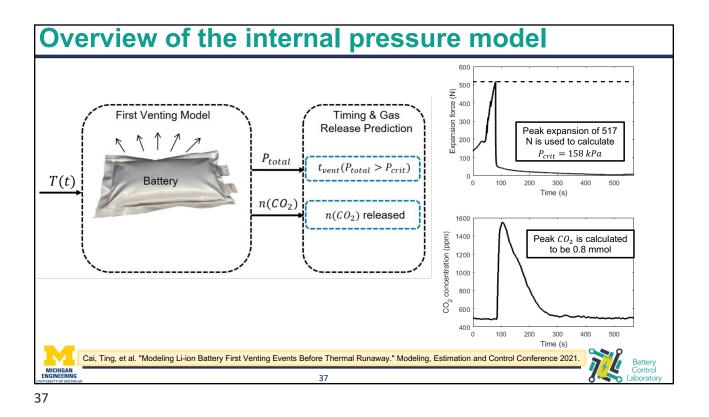


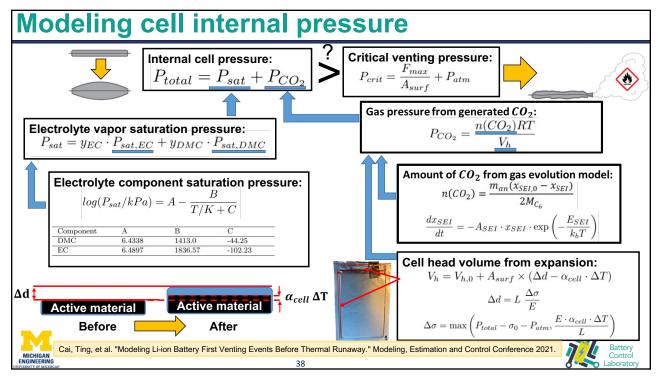


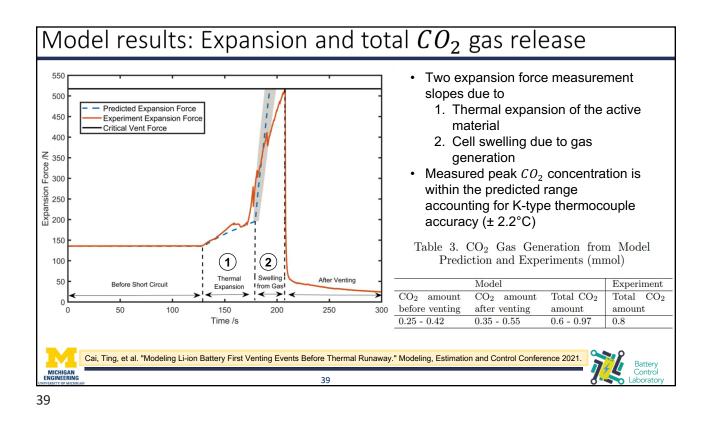


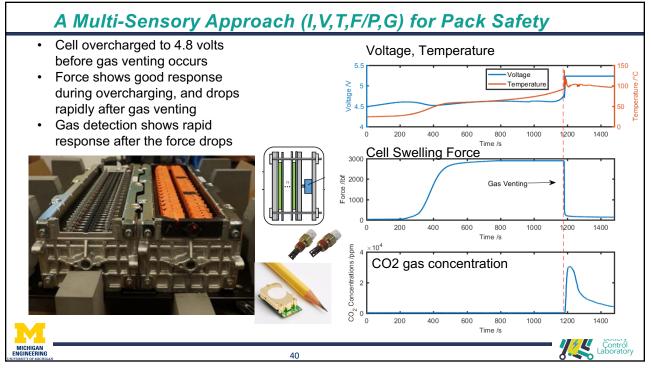




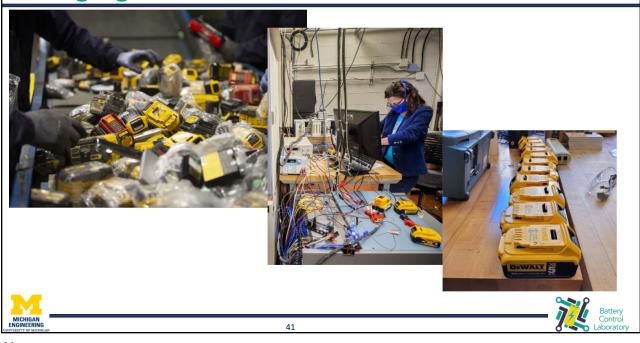


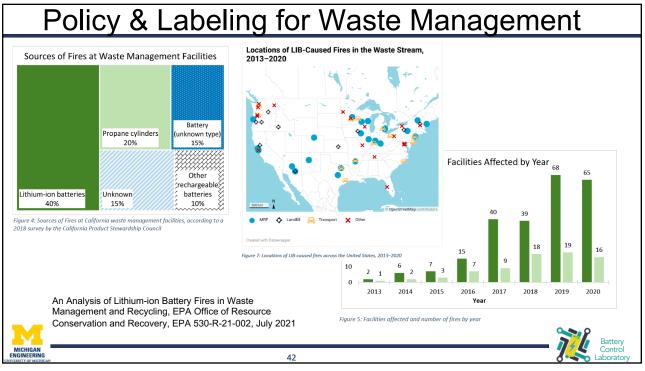


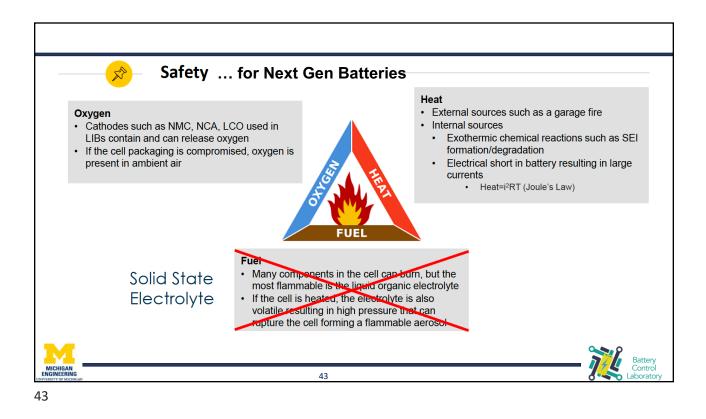


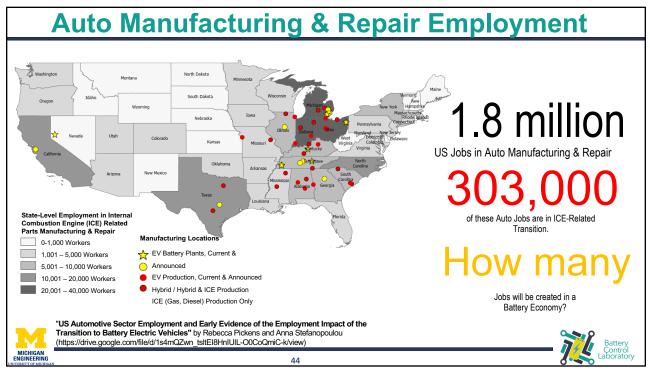


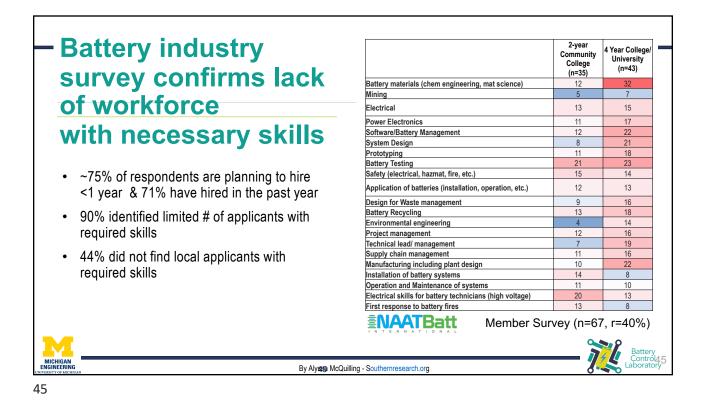
## **Managing Discarded Batteries**













## Thank you!

