## AV 2023 **PLASTICS IN ELECTRIC & AUTONOMOUS VEHICLES**

Troy, MI • April 16-19, 2023 Powered by SPE Automotive Division

# **Panel Discussion**

## "Thermal Runaway – Scenarios and Solutions"

## Tuesday April 18, 2023, 10:30 AM to Noon

**Key Topics:** 

### **TRA Scenarios**

Industry challenges, safety concern, possible reasons, battery architecture, tradeoff between energy intensity, packaging and cost implications

#### **TRA Investigations**

Testing & inspection - Vehicle level, system level, battery module level and material level. Standardization gaps and needs

#### **TRA Solutions**

TRA protection - Cell barrier, module separators, enclosure with right use of materials, venting strategies, battery architecture & design

Dhanendra Nagwanshi Dr. Jeffrey Helms



Celanese Corp.





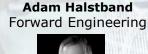
Maggie Baumann Pinfa North America

# **Panelists**





**Ken Vessey UL** Solutions





**Brian Engle** 

**Dave Sullivan** SABIC





**Michael Blake** Eric Rask Freudenberg-NOK ITW Automotive



**Dr. James Edmondson IDTECHex** 



SABIC

