

# TEC+2022

## PANEL 3: ELECTRIC AIRCRAFT PROPULSION SYSTEMS



### Speakers:



#### **CHARLES LENTZ**

Associate Director &  
Discipline Leader  
ThermoFluid Sciences



#### **PETER DEBOCK**

Program Director,  
ARPA-E



#### **PROF. MARIJA ILIC**

Professor,  
Carnegie Mellon University

#### **ARIF SALAM**

Chief Engineer,  
Honeywell



#### **TODD SPIERLING**

Sr Technical Fellow -  
Electrification, Collins  
Aerospace

The electric propulsion system, encompassing fuel cells, turbogenerators, batteries, distribution, inverters, converters, motors and propulsors, is the heart of an electrified aircraft. Technology advances continue to enable economically feasible and reduced emissions electric aviation applications. The providers of current and future propulsion systems along with university researchers pushing the limits of efficiency and power density, will discuss the technology advances, their perspective on feasible electrified aviation applications and missions, and their vision for zero carbon aviation. Panelists will describe propulsion system architectures under development, the component performance levels required and the potential aircraft, mission and societal benefits of these architectures applied to applications.

**15 JUNE 2022**  
**4:00 PM - 5:40 PM**