

# **RALPH COATS ROE LECTURE**

## **WEDNESDAY, JUNE 16, 2021**

### **4:00PM EDT**

## ***WELCOME***

Tom Costabile, CEO/Director  
Mahantesh Hiremath, ASME President, 2021-2022

## ***ASME FOUNDATION & RALPH COATS ROE MEDAL***

Keith Miles, Director, Major Gifts and K. Keith Roe, Past President

## ***VIDEO PRESENTATION***

### ***INTRODUCTION***

K. Keith Roe, Past President

### ***VIDEO***

Burt Rutan, Medal Winner

## ***Q&A WITH BURT RUTAN***

Tom Costabile, Moderator

## ***CLOSING REMARKS***

Bryan Erler, President



### **BURT RUTAN LEGENDARY AIRCRAFT DESIGNER**

Elbert Leander "Burt" Rutan is a retired American aerospace engineer and entrepreneur noted for his originality in designing light, strong, unusual-looking, and energy-efficient air and space craft. He designed the record-breaking Voyager, which in 1986 was the first plane to fly around the world without stopping or refueling, and the Virgin Atlantic GlobalFlyer, which in 2006 set the world record for the fastest (342 mph/551 km/h in 67 hours) and longest (25,766 miles/41,466 km) nonstop non-refueled circumnavigation flight in history. In 2004, Rutan's sub-orbital spaceplane design SpaceShipOne became the first privately funded spacecraft to enter the realm of space, winning the Ansari X-Prize that year for achieving the feat twice within a two-week period.

Rutan has designed 46 aircraft throughout his career and was one of the Time magazine's 100 Most Influential People in the World list for the year 2004. He is the co-recipient of both the Collier and National Air and Space Museum trophies on two occasions (each for his accomplishments with Voyager in 1986 and SpaceShipOne in 2004). He received six honorary doctoral degrees and has won over 100 different awards for aerospace design and development. In 1995, he was inducted into the National Aviation Hall of Fame.

He has five aircraft on display in the National Air and Space Museum in Washington, D.C.: the VariEze, Quickie, Voyager, SpaceShipOne, and the Virgin Atlantic GlobalFlyer. He is the younger brother of former test pilot and United States Air Force fighter pilot, Dick Rutan, who piloted many of his earlier original designs on record-breaking flights.