

# LUNCHEON SERIES

## MONDAY, JUNE 13, 2022

We are pleased to announce our next lunch hour speaker.

Noon - 1:30 p.m.

### Prof. Christopher Cadou

University of Maryland

What to do When You Can't Quit?  
Bringing Aircraft into the Carbon-Neutral Future

The reality of climate change is forcing the transportation sector to reduce its dependence on liquid hydrocarbon (LHC) fuels. While much progress has been made in ground and even maritime environments, progress has been slower in the air because there are no practical alternatives to LHCs for most aircraft. Simply put, aircraft cannot 'quit' LHCs. So, what does one do when demand for air travel is increasing, carbon emissions must decrease, and LHCs are required? The answer is that everything has to change: This talk will discuss the revolutions in aircraft and propulsion system design – and the science behind them – that are occurring to slash and ultimately eliminate net carbon emissions from aircraft.



Christopher Cadou is Professor of Aerospace Engineering at the University of Maryland. He earned his B.S. in Mechanical Engineering and B.A. in History from Cornell University in 1989, and subsequently his M.S. and Ph.D. Degrees in Mechanical Engineering in 1991 and 1996 respectively, at the University of California Los Angeles. After post-doctoral positions at Caltech and MIT, he joined the faculty of the University of Maryland in 2000. Dr. Cadou's research interests include meso- and micro-scale combustion, fuel cells, hybrid power systems, smart materials, and laser diagnostics for reacting and hypersonic flows. He is a member of the Combustion Institute, an Associate Fellow of the American Institute of Aeronautics and Astronautics, and a Fellow of the American Society of Mechanical Engineers.

He currently resides in Bethesda Maryland with his wife Carol, children Lilly (14) and William (11), and a Newfoundland dog Dowsie (2).

#### Menu

Cream of Asparagus Soup

\*

PAN-SEARED RAINBOW TROUT, CRABMEAT BEURRE BLANC

\*

Blueberry Upside Down Cake, Whipped Cream

Members will be billed for the cost of the Luncheon.

Please Contact the Club for Reservations: 658.4287 or [wilmclub@comcast.net](mailto:wilmclub@comcast.net)