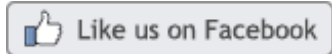




Dayton-Cincinnati AIAA News

August 2019

Are You Connected to Your AIAA Peers?



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Annual Kickoff Meeting

Aug 22, 2019, 5:00-7:00PM -- Wings Bar & Grille at the Wright-Patt Club, Dayton, OH

Join us for our 2019-2020 Dayton/Cincinnati Council kickoff meeting! Find out more about who we are, our events and activities, how it benefits you, and how you can become involved. New members welcome! Bring and share your ideas to help our section. We will be providing pizza and beverages. Please RSVP to Troy Hoeger, tchoeger@earthlink.net. If you plan to attend and do not have base access, let Troy Hoeger know.

[View the flyer for more details!](#)

Upcoming Events

Lunch and Learns

- [Dr. Sid Gunasekaran -- The Quest for Aerodynamic Efficiency](#) -- Aug 23, 2019, 11:45AM-1:00PM -- China Garden, Dayton, OH
Dr. Gunasekaran will discuss conditions leading to maximum aerodynamic efficiency and then give insight into the wingtip vortex-free shear layer interaction which plays a primary role in the balance of induced and parasite drag of the wing. Then, methods which are currently undertaken to study this interaction will be discussed including unconventional wing designs. The dynamics of wingtip vortex and free shear layer will also be visited from the standpoint of propeller aerodynamics, especially when they are in close proximity to the ground. A vortex driven method to increase the efficiency of wind turbines will also be touched on. The talk will then conclude with some reflections on incorporating similar genre of research in undergraduate/graduate courses.

Other Activities

- [UC "The Next Giant Leap" Celebration](#) -- Aug 29-31, 2019 -- University of Cincinnati
The Aerospace Department at UC is celebrating Neil Armstrong and the future of aerospace! See <https://www.alumni.uc.edu/nextgiantleap> for details.