

The Aerospace & Defense Forum



Facilitating Business Communication, Collaboration, & Commerce

**“The future of flight –
from electric aviation, to supersonic,
suborbital and beyond”**

Presenter:

Dr. Anita Sengupta, Ph.D.
Founder/CEO, Hydroplane
Associate Professor, USC Viterbi School of Engineering

Ventura County Chapter Meeting

Thursday, September 30, 2021

Webinar: 8:00-9:00 am pacific time

[Click here to register](#)

Both members and non-members must register to attend.

ACCESS INFORMATION will be provided to registrants at the bottom of the registration confirmation email from Eventbrite. A reminder email with the access information will be sent to registrants the day before the event.

The event will be recorded and made available for download by A&D Forum members.

Since the Ventura County Chapter is a new chapter, attendance will be free for its first few months.

You will receive multiple invitations, regardless of whether you have already registered. Please do not register more than once!

September 30, 2021 Meeting

- **Access information** may be found near the bottom of the confirmation email you will receive from Eventbrite after registering.
- There will also be an email sent to all registrants the day before the event.
- Please ensure your mike is muted and your video is off - icons on the lower left of your window.
- Questions will be welcomed via the Chat function.
- During registration you will be asked whether you want



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Look! Up in the sky! It's a bird! It's a plane! It's a new type of airplane!

New ways of flying are in the air. Advances in energy storage technologies, novel materials, fuels, and avionics, as well as the push for de-carbonization of transportation and the new commercial realities of aviation derived from COVID-19 leading to the re-alignment of general aviation, are opening the door to improved, and sometimes completely new types of aircraft.

These new developments are enabling new options for air travel. Vertical take-off and landing electric aircraft (eVTOL), that would make urban air mobility a reality - think of flying over the traffic in places like Los Angeles or New York City. The potential

your contact information distributed to other attendees. This is a replacement for copying and distributing business cards at chapter meetings.

- For this meeting, we will not be doing individual elevator speech introductions.

Feel free to pass this invitation on to others you think would be interested.

Ventura County Chapter Steering Committee

- **Gerardo Broussi** (Chapter Chair), Managing Director, Brainspark Consulting
- **Michael Spuzzillo**, Sr. Project Engineer, Parker Hannifin
- **David Conrad**, Vice President Business Development, PTI Technologies
- **Brian Barker**, President & CEO, Hummingbird Aero
- **Robert Gleason**, Sector Deputy Director, Engineering, Aircraft Group, Moog Inc.

The Executive Steering Committee of The Aerospace & Defense Forum

- **Michael Coburn**, CEO, All Metals Processing of Orange County
- **Peter Collins**, Director, Strategic Planning, Aerospace Group, Parker Hannifin Corporation
- **Alan McIntosh**, President, Verify, Inc.

comeback of supersonic flight, this time with fuel-efficient and quiet designs that are economically viable and able to fly over areas with high population densities. Moreover, the successful first flights from companies such as Virgin Galactic and Blue Origin are enabling an entirely new market for space tourism.

In this presentation, Dr. Anita Sengupta will leverage her extensive experience in ground, air, and space travel to illuminate the particulars of these promising new forms of transportation, and we will learn where the most likely advancements may impact our daily commute.

Presenter



Dr. Anita Sengupta is an aerospace engineer, instrument-rated pilot, rocket scientist, and veteran of the space program.

She has developed technologies that have enabled the exploration of Mars, asteroids, and deep space for over 20 years. Her career began with launch vehicles and communication satellites at Boeing Space and Communications.

She then worked for NASA for 16 years where her engineering projects included her Ph.D. research on developing the ion propulsion system for the Dawn Mission (currently in the main asteroid belt), the supersonic parachute that landed the Curiosity rover on Mars, and the Cold Atom Laboratory an atomic physics facility onboard the International Space Station.

After leaving NASA she moved into the high-tech transportation sector and led the

- **Michael Boyle**, President, BOBsearch
- **Paul Weisbrich**, Managing Director, D.A. Davidson & Co.
- **Robert Jacobson**, Desert Sky Holdings & Co-Founder, The A&D Forum
- **Ivan Rosenberg**, Managing Partner, InVista Associates, & Co-Founder and Executive Director, The A&D Forum

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The Aerospace & Defense Forum

is a global aerospace and defense leadership 9-chapter community of over 2400, providing opportunities for sharing of information, current events, and analysis, mutual support and encouragement, partnering, innovation, and performance breakthroughs.

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development of the Hyperloop as Senior Vice President of systems engineering at Virgin Hyperloop and became Chief Product Officer and co-founder of an Urban Air Mobility Aviation Company ASX.

Her most recent entrepreneurial venture is as founder/CEO of Hydroplane Ltd., which is developing power plant technology for carbon emission-free aircraft.
