

# SAE 2019 航空技术论坛 AVIATION TECHNOLOGY FORUM

2019年 6月 4-5 日 中国 上海  
June 4-5, 2019 Shanghai, China



## June 4 TUESDAY

**09:00 - 10:30**  
**Welcome and Keynote Address**

**10:30 - 11:00**  
**Tea Break**

**11:00 - 12:30**  
**New Aircraft Development**  
Leaders from global aircraft manufacturers will provide their insight into the industry, updates on the current aircraft development projects, and their outlook on what the future holds for the Chinese and global regional airplane markets.

**12:30 - 13:30**  
**Lunch and Networking Break**

**13:30 - 15:00**  
**Engine - Aircraft Integration**  
This session highlights different aspects of engine-airframe integration and summarizes areas of concern for engine installation such as, engine development trends, turbofan integration with respect to advanced engine concepts, application of theoretical methods in particular with respect to viscous effects, engine location, nacelle design and flow aspects as well as jet flows.

**15:00 - 15:30**  
**Tea Break**

**15:30 - 17:00**  
**Engine System Development**  
Aircraft engines are a complex of integrated systems - fuel systems, power systems, thermal management systems, etc. In this session, we will present new developments in these systems that are driving fuel efficiency improvements and reliability of modern engines.

## June 5 WEDNESDAY

**09:00 - 10:30**  
**Advanced Materials and Manufacturing Processes**  
This focus of this session is the latest technology developments in materials and manufacturing used for aerospace design and manufacturing, from structures to skin, to include new alloys and composites using robotic techniques.

**10:30 - 11:00**  
**Tea Break**

**11:00 - 12:30**  
**Digital Design and Manufacturing (Part 1)**  
IIoT, Artificial Intelligence, Additive Mfg, Digital Thread/Twin, AR/VR/MR - these are not just buzz words. They are technologies that are revolutionizing manufacturing through digitization. This is an open discussion session to talk about implementation requirements - sensors, connectivity, security, model-based systems engineering, artificial intelligence, human factors, workforce development, and supply chain management.

**12:30 - 13:30**  
**Lunch and Networking Break**

**13:30 - 15:00**  
**Digital Design and Manufacturing (Part 2)**

**15:00 - 15:30**  
**Tea Break**

**15:30 - 17:00**  
**Panel Discussion: Digital Design and Manufacturing**