



Media Release

To: The News Editor

FOR IMMEDIATE RELEASE

CAAS AND FLIGHT SAFETY FOUNDATION PARTNER CAAC TO HOLD ASIA-PACIFIC SUMMIT FOR AVIATION SAFETY 2024 IN BEIJING ON 13-15 AUGUST

Summit calls for a human-focused approach to raise aviation safety standards

The Civil Aviation Authority of Singapore (CAAS) and Flight Safety Foundation (FSF) are partnering with the Civil Aviation Administration of China (CAAC) to jointly organise Asia-Pacific Summit for Aviation Safety 2024 (AP-SAS 2024) in Beijing, China, from 13 to 15 August 2024. More than 450 government and industry leaders from the Asia-Pacific region and beyond are expected to attend the summit to discuss safety-related challenges and measures to enhance aviation safety as air travel demand continues to grow strongly.

2. Launched in 2023, the Asia-Pacific Summit for Aviation Safety provides a platform for aviation leaders and professionals to connect and share experiences and expertise on aviation safety matters. The inaugural summit was held in Singapore in March 2023 when the sector was recovering from the COVID-19 pandemic; more than 400 government and industry leaders gathered in Singapore to discuss COVID-19-related



safety challenges and emerging risks associated with recovery. Co-organised by CAAS and FSF, the venue for the annual regional summit alternates between Singapore and another Asian country.

3. The second edition of the regional safety summit, which will be held in Beijing, will feature a strong line-up of government leaders and prominent international aviation experts. Keynote speakers include Mr Juan Carlos Salazar, Secretary-General, International Civil Aviation Organization (ICAO); Mr Song Zhiyong, Administrator, Civil Aviation Administration of China (CAAC); and Captain Stanley Ng, President and Chief Operating Officer, Philippines Airlines (please refer to Annex A for the summit programme).

4. Themed "*Shaping Safety Excellence: A Human-Focused Approach*," AP-SAS 2024 will highlight the central role played by pilots, air traffic controllers, maintenance engineers, ground handling crew and other individual safety actors and the importance of human factors in aviation safety. The three-day summit will explore how embracing a human-focused approach can enable individuals and organisations to proactively tackle safety challenges, leading to more sustainable, impactful and effective safety outcomes.

5. Key panel discussions will include:

a. Promoting a positive safety culture through a human-focused approach

A safety culture comprises the collective shared values, beliefs, and norms that shape individuals' attitudes and actions towards safety within their organisations. Fostering a positive safety culture requires a human-centred approach that takes into account the psychological, social, cultural, and organisational influences on human behaviour.



b. Enhancing human performance in runway safety

The frequency of runway safety incidents, with potentially severe consequences, is on the rise. With the projected aviation growth in the Asia-Pacific region exceeding the global average, there will be a significant increase in activity on taxiways and runways. This heightened activity, coupled with the expansion of existing airports and construction of new ones in the region, will elevate the risk of runway related incidents. Although systems and processes can mitigate these risks, human operators are ultimately responsible for operating the systems and implementing the processes.

c. Adopting artificial intelligence and automation safely

The widespread adoption of artificial intelligence is expected to significantly impact the aviation industry, presenting both opportunities and obstacles in improving both safety and operational efficiency. There is also a pressing need to address existing risks associated with automation complacency as the use of automation expands across diverse aviation disciplines.

d. Managing mental health and wellness of aviation professionals

The mental health and well-being of aviation professionals can influence their performance and potentially impact safety. Yet issues of mental health and well-being of individuals are complex and multi-faceted in nature. The industry must safeguard and promote the mental health of their workforce, with a focus on fostering a reporting culture in which aviation professionals are comfortable to report conditions that could impact their ability to perform their duties effectively.



6. Dr Hassan Shahidi, President and CEO of FSF, said: “I am looking forward to AP-SAS in Beijing, as industry convenes to discuss the most pressing challenges in aviation and the role of human factors in building a safe and resilient aviation system. We are grateful to be partnering with CAAS and CAAC to organize this important gathering at this pivotal moment in the resurgence of aviation in the region.”

7. Mr Han Kok Juan, Director-General of CAAS, said: “Ensuring aviation safety for the travelling public is a top priority of the Asia-Pacific region as we ramp up operations to meet the strong demand for air travel within the region and beyond. Because aviation is cross-border, collaboration is key; we learn from and support one another in our safety actions and help one another when safety incidents happen. The upcoming summit is timely for us to take stock of developments and share learnings. CAAS is deeply honoured to partner FSF and CAAC for this important summit and thank CAAC for its strong support co-organising and hosting it in Beijing. The strong projected turnout is testament to the importance aviation leaders and professionals place on safety and the value they see in the summit.”

8. Mr Song Zhiyong, Administrator of CAAC, said: “Safety is the lifeline of aviation industry, and people are the most important factor to maintain that line safe and secure. CAAC has the honour and pleasure to partner with CAAS and FSF to host this summit in Beijing, which will enable the continuation of the discussion on safety issues for the better development of the industry. I am looking forward to meeting all the participants in August in Beijing.”

9. For more information on the event programme and to register, visit <https://flightsafety.swoogo.com/ap-sas-2024> .



About Flight Safety Foundation

Flight Safety Foundation is an independent, non-profit, international organization engaged in research, education, advocacy and communications to improve aviation safety. The Foundation's mission is to connect, influence and lead global aviation safety. For more information, visit www.flightsafety.org.

About the Civil Aviation Authority of Singapore

The mission of the Civil Aviation Authority of Singapore (CAAS) is to grow a safe, vibrant air hub and civil aviation system, making a key contribution to Singapore's success. CAAS' roles are to oversee and promote safety in the aviation industry, develop the air hub and aviation industry, provide air navigation services, provide aviation training for human resource development, and contribute to the development of international civil aviation. For more information, visit www.caas.gov.sg.

About the Civil Aviation Administration of China

Civil Aviation Administration of China (CAAC) is the competent authority in charge of civil aviation under the State Council with major responsibilities in safety oversight, development of laws and regulations, policies and standards, air traffic management, civil aviation security, and promoting the international exchanges and cooperation. For more information, visit www.caac.gov.cn.

For more information, please contact:

FSE

Mr Frank Jackman
Director, Communications and Research



Office: +1 703 739 6700 ext. 116
Email: jackman@flightsafety.org

CAAS

Ms Violetta Wong
Assistant Director (Corporate Communications)
Mobile: +65 9668 4460
Email: violetta_wong@caas.gov.sg

CAAC

Mr Wang Ruoyuan
Deputy Director
Department of International Affairs
Office: +86-10-64092355
Email: ry_wang@caac.gov.cn

Annex A

PROGRAMME FOR ASIA-PACIFIC SUMMIT FOR AVIATION SAFETY

Day 1

Time	Programme
9.00 AM	<p>Welcome Remarks</p> <p>Opening Address</p> <p>Keynote Addresses</p>
10.30 AM	Networking Break
10.45 AM	Shaping Safety Excellence: A Human-Focused Approach Executive Panel
12.00 PM	Networking Lunch
1.15 PM	<p>Session 1 Fostering a Positive Safety Culture Panel</p> <p>A safety culture encompasses the shared values, beliefs, and norms that shape individuals' attitudes and actions towards safety within their organisations. Cultivating and sustaining a positive safety culture necessitates a human-centred approach that needs to consider psychological, social, cultural, and organisational influences on human behaviour. Given the wide ethnic diversity and varying social norms in the Asia-Pacific region, are there strategies or methods that may be more adapted and suited to this region, to assimilate individuals into one's organisational safety culture? Or will what have been done in other parts of the world work as well for Asia Pacific? During this session, leading experts will discuss strategies for fostering a human-centred, positive safety culture, as well as the opportunities and challenges associated with this endeavour taking into consideration the Asia-Pacific context.</p>
2.30 PM	<p>Session 2 Taking a Holistic Approach to Runway Safety Presentation/Panel</p> <p>Runway Safety (which includes runway incursion and excursion) has been identified as a high-risk event occurring at high frequency. With post-pandemic aviation growth in the Asia-Pacific region projected to be higher than the global average, it is to be expected that the volume and cadence of activities within the taxiways and runways will intensify. At the same time, we see many new airports being built in the region whilst other existing ones undergo expansion works. These developments increase the associated risks and probability for runway related incidents. While systems and processes can be put in place to help address this, ultimately humans are involved and responsible for operating the systems and implementing the processes. Thus, human factors/performance significantly influences runway safety, such as human-to-human interfaces between pilots and air traffic controllers, making appropriate decisions,</p>

Time	Programme
	particularly during high workload situations. During this session, panellists from various domains will provide insights on where and how human performance can be enhanced to improve runway safety.
3.45 PM	Networking Break
4.15 PM	Session 3 Artificial Intelligence and the Future of Automation Panel The global transformation driven by Artificial Intelligence (AI) and future automation is significantly impacting the aviation industry, presenting both opportunities and challenges in improving safety and efficiency. However, these technologies also prompt critical considerations about how this technology can be deemed safe for use. Should the design philosophy revolve around using the technology to complement the human, or is it the human complementing the technology? Will leapfrogging to a full AI operating environment (e.g. AI air traffic controller interfacing with AI pilot) be safer than having humans remain in the loop? In this session, panellists from diverse domains will explore and offer their perspectives on where and how AI could be introduced, its impact on the human role in aviation. They will also discuss strategies and best practices to facilitate a seamless transition and ensure safe operations amidst these changes.
5.15 PM	End of Day 1 Summit

Day 2

Time	Programme
9.00 AM	Keynote Address
9.30 AM	Session 4 Selecting for Success Presentation/Panel The aviation industry requires a diverse set of technical and non-technical competencies for roles such as pilots, aircraft maintenance engineers, and air traffic controllers, all of which are critical for maintaining safety, efficiency, and quality in aviation operations and services. The effort and investment poured into training potential candidates is no small amount. How can employers, educators, and policymakers ensure the effective selection of candidates for these critical roles to maximise return? Is there also a need to balance against having too stringent selection criteria resulting in a drastic reduction of new entrants to the industry? During this session, panellists will offer their insights and experiences on identifying the predictors of success for aviation professionals. They will also address potential blind spots, challenges, and opportunities to consider in this process.
10.45 AM	Networking Break

Time	Programme
11.15 AM	<p>Session 5 Evolving Training Methodologies for the Future Presentation/Panel</p> <p>Aviation training methodologies have evolved significantly over the past few decades. In the past, curricula for training programmes were set at a high level and the training design and approach was primarily left up to individual instructors. The emergence of performance-based approaches used a reverse engineering approach that set training objectives that more closely matched the needs of the job. In recent years, training methodologies have evolved to include core competencies and evidence-based training. This expert panel will explore the suitability of existing methodologies and where they may need to evolve in the face of rapidly evolving aviation technologies and the training styles of our next generation of aviation professionals.</p>
12.30 PM	<p>Networking Lunch</p>
1.45 PM	<p>Flash Talk Knowledge Management and Learning from all Operations</p> <p>In an increasingly interconnected and complex aviation system, it is imperative to learn not only from things that rarely go wrong but also from things that go right. This approach will become increasingly important as the aviation sector, over the next few years, will face one of the largest generational shifts in its workforce. The Asia Pacific aviation system is already facing human resource shortages and is poised to resume its unparalleled growth that will increase the demand for skilled human resources. This will occur in parallel with many projected retirements in the next few years. Our flash talk speaker will present some initial ideas on how learning from all operations could be applied to capture the wisdom that we have accumulated on those things that go right to maintain and build upon the safety record that we have today.</p>
2.15 PM	<p>Session 6 Addressing Automation Complacency Presentation/Panel</p> <p>There are well-known vulnerabilities associated with flight crew management of automation and associated loss of situation awareness. Industry groups, research institutions, and regulators have developed reports, studies, and recommendations to address these vulnerabilities. This diverse expert panel will discuss various means to address the existing risks of automation complacency.</p>
3.30 PM	<p>Networking Break</p>
4.00 PM	<p>Session 7 Managing Fatigue Presentation/Panel</p> <p>The evolution from prescriptive flight and duty time limits to performance-based fatigue risk management for flight crew members has advanced significantly over the past decade. Fatigue risk management is founded on the use of scientific principles and advanced approaches towards measuring and mitigating the risk of fatigue. The approach is now being used across several aviation disciplines, including air traffic control. The Fatigue Risk Management Systems (FRMS) approach represents an</p>

Time	Programme
	opportunity for service providers to use advances in scientific knowledge to improve safety, use resources more efficiently, and increase operational flexibility. At the same time, advances have been made in developing prescriptive limits based on the application of safety management systems. This panel of leading experts will explore advances made in fatigue risk management, as well as flight and duty time limits, across aviation disciplines.
5.15 PM	End of Day 2 Summit

Day 3

Time	Programme
9.00 AM	Keynote Address
9.30 AM	<p>Session 8 Reinforcing the Importance of Mental Health for Aviation Safety Presentation/Panel</p> <p>While the aviation system has benefited from astounding technological advancements and automation, the human in the loop is still critical to aviation safety. Aviation professionals are expected to perform their respective functions within the system with a high level of reliability. It is well accepted that the mental health and well-being of these individuals would exert an impact on their performance. Yet issues of mental health and well-being of individuals are complex and multi-faceted in nature. This panel of experts will share their views on the challenges faced both by aviation organisations in safeguarding and promoting the mental health and well-being of their workers, and those faced by professionals, with a focus on reporting issues, and the approaches that can be taken to level up efforts with time.</p>
10.45 AM	Networking Break
11.15 AM	Wrap-up: Summary of Discussion Points and Key Take-aways
12.00 PM	Closing Remarks
12.20 PM	End of Day 3 Summit