



International Coordinating Council of Aerospace Industries Associations

Newsletter

Spring 2024

A WORD FROM OUR CHAIR

Spring has been a busy time for ICCAIA as usual, with a lot of activity in Montreal, including the ICAO Innovation Fair and the State of the Industry presentation to the ICAO Council. We also held our Annual General Meeting and the first Board meeting of the year. One important highlight: The Board agreed to a new five-year strategy for ICCAIA, which refocuses the organization on current issues and lays a solid foundation for the future.



With the expansion of ICCAIA underway, we welcome two new members of staff, Majid Badiey and Anouck Barreaux, who will be supporting the current team in delivering the objectives laid out in the strategy. I would like to extend my thanks to Montreal International, who facilitated support for ICCAIA’s expansion from our government partners. We look forward to an event to celebrate in October.

On March 21, I presented the State of the Industry to the ICAO Council on behalf of the manufacturing and services industry, alongside leaders from IATA, ACI and CANSO. The discussions with the Council were full and engaging. All sectors reported a strong recovery from the pandemic as flying resumed, though there remains a lot to discuss with regard to challenges facing the industry.

Looking forward to the summer, work will ramp up to prepare for Air Navigation Conference 14, which will be held in Montreal at the end of August. This is an important event that will lay the foundation for the next ICAO Assembly.

Finally, a reminder to mark your calendars for ICCAIA’s first-ever full conference, planned for March 26-27, 2025, at ICAO Headquarters in Montreal. This will bring together ICCAIA’s community and will be a great opportunity to exchange with colleagues, ICAO stakeholders, and government representatives.

Eric Fanning, Chair, ICCAIA
& President and Chief Executive Officer of the Aerospace Industries Association (AIA)

INSIDE THIS ISSUE

- ICCAIA 2025 Conference and AGM 2
- CAPSCA Working Groups..... 3
- ICCAIA 2024 AGM..... 4
- ICAO Innovation Fair 5
- IIWG 6
- Innovation Competition 7
- AN-Conf/14..... 9
- eMCO..... 10
- CSAA 60th Anniversary..... 11
- News from ICCAIA Members.. 12
- Events Calendar 14

SPECIAL POINTS OF INTEREST

- State of the Industry Briefing to ICAO Council
- ICCAIA welcomes Majid Badiey and Anouck Barreaux
- Global Aviation and Aerospace Skills Taskforce





SAVE THE DATE FOR ICCAIA CONFERENCE & AGM!

**26-27 MARCH 2025
MONTREAL**

ICCAIA will bring together executives from the aerospace industry, ICAO leaders, Council members and industry partners, at a conference alongside its annual general meeting on 26th-27th of March 2025 at the ICAO Headquarters in Montreal.

The conference will be split over two half days, commencing in the afternoon with keynotes and a high-level panel. This will be followed by a reception and dinner in the evening, concluding in the morning of Day 2 with the 2025 AGM and further panel discussions.



The event is open to all, registration will be available via ICCAIA's website from June 2024.

ICCAIA WELCOMES MAJID BADIEY AS DIRECTOR, AIR NAVIGATION & SAFETY POLICY

ICCAIA is pleased to announce the appointment of Mr. Majid Badiey as the Director of Air Navigation and Safety Policy, and Alternate Observer to the Air Navigation Commission for ICCAIA at the International Civil Aviation Organisation (ICAO).



Majid joined ICCAIA's team in Montréal in January 2024. In his new role, he oversees safety, airworthiness and communications, navigation, surveillance / air traffic management (CNS/ATM) subjects, providing support to ICCAIA's technical committees and its working and advisory groups. He is also actively engaged in ICCAIA's preparation for the upcoming Fourteenth Air Navigation Conference (AN-Conf/14) scheduled to take place from 26 August to 6 September 2024 in Montréal, Canada.

Bringing over 14 years of valuable experience from the aerospace manufacturing industry, Majid previously served as a Senior Procurement Manager at Pratt & Whitney Canada. In his capacity, he delivered innovative solutions to OEM customers, developed strategies to implement technology roadmap for next generation products, represented customers' interests through working sessions with key business partners and regulatory team, and promoted effective and optimized solutions.

Furthermore, Majid contributed significantly to BOMBARDIER Aerospace in the *Program Management Office (PMO)*, where he led certification projects for new aircrafts, ensuring they met customers' technical and commercial requirements. He also played a key role in the *Transformation Office*, overseeing a portfolio of initiatives, to enhance synergy across business units and create new MRO services and products for the customers.

Majid holds a BSc. and MSc. in Aerospace Engineering along with a Graduate Diploma in Integrated Aviation Management from McGill University. In addition to his professional achievements, he is a passionate advocate for creativity and innovation for an effective leadership within the aviation industry. Majid thrives in diverse and multicultural teams and finds joy in coaching. He also shares his expertise by teaching a Project Management course at McGill University in Montréal on a part-time basis.

We warmly welcome Mr. Majid Badiey to ICCAIA and look forward to his contributions in advancing air navigation and safety within the organisation. His experience will undoubtedly strengthen ICCAIA's position in the aviation community.

ICCAIA WELCOMES ANOUCK BARREAUX AS DIRECTOR, ENVIRONMENT, SECURITY, HEALTH & FACILITATION POLICY



ICCAIA is also excited to announce the appointment of Ms. Anouck Barreaux as the Director of Environment, Security, Health and Facilitation Policy.

Anouck joined ICCAIA's team in Montréal in April 2024 and brings with her a wealth of experience from Airbus, the French aerospace industries association GIFAS and has worked with Aéroports de Paris and the French air navigation service provider DSNA.

Having already worked within the Montreal aviation ecosystem, focused on ICAO, for the last five years, she will be well placed to support the ICCAIA technical committees from our headquarters.

In her capacity of ICAO coordinator for GIFAS and then Airbus, she has had the opportunity to monitor activities led at ICAO, provide inputs to experts attending ICAO meetings and liaise with ICAO Secretariat and Member States for the past five years.

Her previous positions in Europe include working as a Project Management Officer for the French Civil Aviation Authority (DGAC/DSNA) for two years and as an Environmental research manager for Aéroports de Paris for one year, creating a natural risk mapping and building an action plan to face climate change.

In her new role, Anouck will work in support of the ICCAIA Aircraft Noise and Emissions Committee (ANEC) across ICAO CAEP, the UNFCCC-COP and the UNEP Stockholm and Basel conventions on waste. She will also join the Aviation Security Panel and CAPSCA at ICAO and will work to support the development of strategies that deliver ICCAIA's strategic goals as laid down in our new five-year strategy document.

Anouck holds an Msc in "International Management" from Toulouse Business School along with an Advanced Master in "Airport Management" from the French National School of Civil Aviation (ENAC).

We warmly welcome Ms. Anouck Barreaux to ICCAIA and look forward to her valuable contributions in advancing environment, security and health and facilitation within the organisation. Her experience and dedication to excellence will undoubtedly strengthen ICCAIA's position in the aviation community.

ICCAIA AIRWORTHINESS COMMITTEE

ICCAIA's Airworthiness Committee will meet in-person on June 10th in Washington DC, just before the FAA/EASA Safety Conference. Please get in touch with the Chair, Keith Candline for further information.

AERO-MEDICINE AND CRISIS RESPONSE

Five new working groups of CAPSCA are now starting their work, with kick off calls from 20th-24th May.

The groups will draw on lessons learnt from the COVID-19 pandemic, develop crisis response plans for the future, identify innovative techniques for addressing aviation health and consider future potential crises.

Please contact info@iccaia.org to get involved.



STATE OF THE INDUSTRY BRIEFING TO ICAO COUNCIL

Dan Carnelly

March 21st saw the in-person resumption of the ICAO 'State of the Industry' briefings that were, before the pandemic, an annual opportunity for the heads of the four major international organisations representing airlines, airports, air navigation service providers and the manufacturing and services community to explain key facts and figures related to their sector to the Council of ICAO.

While emphasizing the industry's continued focus on safety, in common with IATA, ACI and CANSO, the ICCAIA Chair presented the strong recovery that the sector has seen from the pandemic, with a substantial increase in the number of aircraft orders. He explained that the manufacturing supply chain had suffered substantial disruption during COVID-19 as borders closed and the transfer of people and goods became difficult, and asked that consideration be given to having civil aerospace personnel be classified as 'Essential Workers' in ICAO's crisis response framework development process, not least to ensure that the in-service fleet can keep flying as well as keeping supply chains flowing.

ICCAIA's presentation went on to explain that manufacturers collectively are investing around \$15bn annually in technologies that bring environmental benefits and thanked ICAO for its efforts on developing a Standards framework that will facilitate the introduction of many new technologies in the coming decades. Such a framework can also be used to enable new market segments, such as Advanced Air Mobility, where the Chair informed the Council that this new segment will create a need for over 280,000 new jobs and where 400 companies have announced plans for about 900 different models of eVTOL craft.

Finally, before a fruitful exchange with the Council, sectoral threats in the realms of cybersecurity, spectrum availability and GNSS spoofing and jamming were raised as concerns requiring continued attention from ICAO.

ICCAIA 2024 ANNUAL GENERAL MEETING

By Dan Carnelly

Less than a week after the important State of the Industry Briefing, ICCAIA held its 2024 Annual General Meeting in a virtual format, allowing maximum participation from across the Membership. This year, as the organization undergoes transformational change by way of expansion, partners from Montreal International and the Government of Quebec were in attendance for the first time.

As required by law, the formal portion of the agenda took precedence and set the rules of operation for the coming year. Of special note is the bi-annual rotation of the Chairmanship, with Mr. Jan Pie assuming the Chair role on behalf of Europe's ASD as of January 1st 2025.

The major proportion of the Annual General Meeting was dedicated to the annual reports of the Chairs of the Technical Committees. It was clear to all who attended that the sheer volume and enormous breadth of the scope of ICCAIA's work provides a substantial challenge for the Chairs and the over 450 experts that participate. The Board expressed their thanks and deep appreciation for the continued hard work on behalf of the sector with hopes that the expansion will ease some of the burden.

Don't miss our annual report for all the information on panel activities: [2024-AGM-ICCAIA-Annual-Report-2023.pdf](#)

2024 ICAO INNOVATION FAIR

Digital Aviation: The Future is Now – Montréal, 12-14 March 2024

Majid Badiey

The 2024 ICAO Innovation Fair, was held under the theme “Digital Aviation: the Future is Now” at ICAO Headquarters in Montreal, Canada. Over three days, representatives from states, international organizations, industry, academia, and more gathered to discuss the transformative potential of digital technologies in aviation.

Exploring Digital Transformation in Aviation



An example of a live digital twin airport model from SITA Lab
(<https://www.passengerterminaltoday.com/features/double-take.html>)

One of the focal points of the fair was the exploration of digital twins. Industry experts, airport management, aircraft manufacturers and IT companies emphasized the importance of ensuring data usefulness by staying connected with users. They highlighted key global barriers such as financial investment and data sharing trust. Digital twins were hailed as powerful decision-making tools, augmenting human expertise rather than replacing it.

Addressing Challenges and Enhancing Collaboration

Panels on digitalization delved into the challenges and opportunities in enhancing collectivity and customer experience. Representatives from EASA, Airbus, Boeing, startup businesses, and airports discussed strategies for risk-based innovation, value-driven decisions, and alignment with stakeholder needs. The emphasis was on fostering collaboration across sectors to drive digital transformation in aviation.

Promoting Safety through Innovation

Civil Aviation Authorities (CAAs) showcased innovative solutions aimed at promoting safety and efficiency. Examples from El Salvador and Belgium highlighted the benefits of digital transformation, integrated software, and visionary leadership. The importance of collaboration among CAAs to share information and promote safety was underscored.

Exploring Future Technologies

The fair also featured SkyTalks and competitions showcasing innovative technologies shaping the future of aviation. From turbulence cancellation concept to integrating advanced air mobility into airspace, participants explored groundbreaking ideas aimed at enhancing safety and efficiency in aviation.

Unlocking the Potential of Virtual Reality

Experts from Thales and Boeing highlighted the potential of virtual reality in aviation. From obstacle detection to augmented reality maintenance, virtual reality technologies were showcased as powerful tools for enhancing safety, efficiency, and operational capabilities in aviation.

Conclusion

The 2024 ICAO Innovation Fair provided a platform for stakeholders to explore the transformative potential of digital technologies in aviation. From digital twins to virtual reality, the future of aviation is increasingly digital, offering unprecedented opportunities for innovation and collaboration. By embracing digital transformation and fostering collaboration across sectors, we can chart a course towards a safer, more efficient, and sustainable aviation future.

ABOUT ICCAIA

ICCAIA's members are engaged in the design, development, manufacture and in-service support of aeronautical and space products and technologies, including related ground-based systems and services. Recognized by the International Civil Aviation Organization (ICAO), ICCAIA provides an avenue for the world's aerospace manufacturers and service providers to offer their expertise toward the development of the international standards necessary for the safety, security, efficiency and sustainability of air transport. www.iccaia.org

INTERNATIONAL INDUSTRY WORKING GROUP

IIWG



A COLLABORATIVE PLATFORM BETWEEN INDUSTRY AND REGULATORS



THEMES

Airport design, planning, development, compatibility of new aircraft, technological innovation, and more...

MEMBERS

Airports, aircraft manufacturers, airlines, civil aviation authorities, global and regional regulatory agencies

OBJECTIVES

Bring together States and Industry to address current and future airport design, operations and aircraft compatibility challenges



Established
in 1969



More than 40
member
organisations



Information and
participation

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2024 ICAO INNOVATION FAIR

Innovation Competition

Majid Badiey

Mirlo: Innovation Competition Winners



ICAO Secretary General Juan Carlos Salazar and ICAO Council President Salvatore Sciacchitano congratulating Mr. Michael Josué Chaves Vargas and Ms. Maryam Safaifard from the MIRLO Team.

ICCAIA extends sincere congratulations to the Mirlo Team from the Universidad de Costa Rica (UCR), champions of the International Civil Aviation Organization Innovation Competition, and commends all participating teams for their

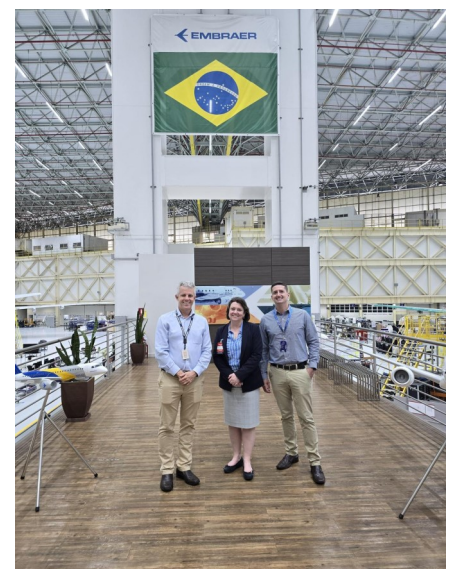
outstanding innovative contributions. The future holds great promise for aviation and aerospace!

At the heart of the Mirlo project lies a bold vision: to eliminate dialects and accents in aeronautical communication altogether. This ambitious goal stems from Annex 1 – Personnel Licensing to the 1944 Convention on International Civil Aviation, which mandates license holders to use a dialect or accent intelligible to the aeronautical community during radiotelephony communications. But what if we could transcend linguistic barriers altogether?

Taking inspiration from the remarkable capabilities of birds in flight, the Mirlo project proposes a novel approach to aeronautical communication. By leveraging machine learning and biomimicry, the team aims to develop a speech recognition model that adapts to the unique voice of each pilot and air traffic controller. This real-time voice-to-text transcription system promises to revolutionize radiotelephony communications, enhancing clarity, efficiency, and safety in the skies.

The Mirlo team will be offered internships from Airbus.

Thank you to Ricardo Lavall and team for hosting a visit from ICCAIA to the Embraer headquarters in São José dos Campos, Brazil. Useful discussions were had on many aspects of the work at ICAO on airworthiness and CNS/ATM alongside a very interesting visit to the production line.



GLOBAL AVIATION AND AEROSPACE SKILLS TASKFORCE - GAAST

Nina Brooks

The sustainability of the workforce is a subject that is being discussed more and more frequently, including at the ICAO State of the Industry meeting held in March. Following the COVID-19 pandemic, many skilled workers left the industry or retired, leaving a workforce shortage across all sectors. With a desire for new working practices such as part-time and remote working, coupled with an aging workforce and the need to re-skill for digitalization and automation, attracting and retaining talent into aviation is increasingly difficult. The Global Aviation and Aerospace Skills Taskforce—a group of over 100 participants from States and Industry have come together to address the problem.

The full taskforce met for the first time in Sao Paolo, Brazil, from 9th-12th April, at a meeting hosted by ANAC, to determine a concrete set of actions and a plan for the coming two years. After a fruitful and packed 4 days, we came to agreement on a full set of actions and outputs needed. We were delighted to welcome Dr Rannia Leontaridi, Director General Aviation, Maritime and Security Group, UK DfT and ACAC Director Luiz Ricardo de Souza Nascimento to the meeting.

Across all workstreams, a common theme was ensuring that we draw on existing good practice and do not reinvent or duplicate. The deliverables fall into two categories; providing information directly to stakeholders for their use, and providing input to

WORKSTREAMS

Value proposition and perception of the industry

Attraction and Outreach

Retention and Development

Workplace environment and culture

Evolution of Work—Future Skills

ICAO to assist in efforts on social sustainability. Secretariat from ICAO joined the discussions virtually to present an update on the Next Generation of Aviation Professionals programme, which has many synergies with GAAST. We will ensure in the coming weeks that work is coordinated to ensure that we can make meaningful inputs, with a target of the 42nd Assembly in 2025.

ICCAIA would like to offer thanks to ANAC for hosting the highly successful meeting, ACI's Francine Carron for providing the project management, Thomas Romig, the current Chair, and Fiona Hau from UK DfT as Vice Chair. We are pleased to announce that from the next meeting onwards, ICCAIA will be taking over the Chair position.

For further information and to get involved please contact nbrooks@iccaia.org or [Francine fcarron@aci.aero](mailto:Francine.fcarron@aci.aero).



AIR NAVIGATION CONFERENCE 2024

Majid Badiey

From August 26th to September 6th, 2024, the ICAO Fourteenth Air Navigation Conference (AN-Conf/14) will take place in Montréal, Canada, at the ICAO Headquarters.

The 14th Air Navigation Conference will serve as a vital forum to outline existing priorities, identify new ones, and provide direction to ICAO as it prepares to present a reprioritized work program to the 42nd Session of the Assembly in 2025. With a focus on addressing aviation's environmental challenges and ensuring safety and efficiency, the conference aims to propel the industry towards achieving the long-term aspirational goal of net zero carbon emissions by 2050.

Attendance

The conference welcomes senior officials from all Member States, accompanied by high-level technical advisors on air navigation and safety. Participation from non-Member States and international organizations, as invited by the Council, is encouraged with observer status. Additionally, the meeting will involve non-traditional innovators in aviation.

Expectations

The conference provides a platform for in-depth technical discussions aimed at formulating high-level recommendations in air navigation and safety. These recommendations will be presented to the Council and, if applicable, endorsed by the 42nd Session of the Assembly in 2025.

Agenda

The agenda for the conference includes technical items that will support the achievement of the LTAG;

- Update on the ICAO 2023-2025 Business Plan and long-term strategic planning;
- Timely and safe use of new technologies;
- Air navigation system performance improvement;
- Hyper-connectivity of air navigation system.

ICCAIA Priorities

ICCAIA has formed a small group to develop working papers on critically important subjects for aviation industry to be submitted to AN-Conf/14.

Subjects will include technology advancements such as electric, hydrogen and hybrid propulsion, as well as air navigation subjects such as GNSS jamming, future aircraft connectivity and hyperconnected ATM. Also, there are common concerns for different aviation stakeholders including manufacturers, airlines, ANSPs and Airports that can be brought to AN-Conf/14 as a common industry voice.

For more information and updates, please visit <https://www.icao.int/meetings/anconf14>.

If you would like to become involved in the preparation for the conference or attend as part of the ICCAIA delegation, please contact Sandrine Kanakri - skanakri@iccaia.org.



EXTENDED MINIMUM CREW OPERATIONS

Extended Minimum-Crew Operations (eMCO) are defined as operations in which there are extended periods of the cruise phase with a minimum flight crew of one pilot at the controls while the other pilot(s) is(are) resting. eMCO should be differentiated from end-to-end single pilot operations; In eMCO, the possibility of having only one pilot at the controls is restricted to the cruise phase while all other flight phases remain operated with a minimum of two pilots at the controls. Therefore, eMCO is intended to be operated with a minimum crew of two pilots in international commercial air transport with large aeroplanes. eMCO is also applicable to flights operated with augmented crew (3 or 4 pilots).

Potential benefits of eMCO

Efficiency: Operating with a minimum crew can lead to allocate human resources more efficiently to support more flight operations without compromising on safety for airlines.

Flexibility: eMCO allows airlines to adapt to fluctuating demand and optimize crew resources accordingly. This flexibility can improve scheduling efficiency and enhance operational performance.

Fatigue Management: It can facilitate flight crew in organizing their presence in the cockpit during the cruise phase, enabling a more balanced distribution of work and rest time on long-range flights.

Considerations

While eMCO offers various benefits, safety remains the top priority. The aviation industry must ensure that flights operated under eMCO adhere to stringent safety standards and regulatory requirements. This includes comprehensive risk assessments, thorough crew training, and robust monitoring systems to mitigate potential risks.

ICCAIA has created a small group to propose a concept of operations for eMCO. The group has identified a number of areas in which standards would be needed, and will present findings to ICAO in the coming months for further discussion.



SAVE THE DATE
ICCAIA Conference and AGM 2025
26-27th March 2025
ICAO HQ
Montreal

CSAA CELEBRATES 60 YEARS OF EXCELLENCE IN AEROSPACE INNOVATION



The International Coordinating Council of Aerospace Industries Associations (ICCAIA) offers its warmest congratulations to the Chinese Society of Aeronautics and Astronautics (CSAA) on their 60th anniversary.

In early 2023, CSAA joined the ICCAIA family as an Associate Member, a testament to their commitment to advancing aerospace technology, fostering innovation, and promoting education within the field. Their remarkable dedication has left an indelible mark on the Chinese aerospace industry, shaping its landscape in profound ways.

As CSAA celebrates this significant milestone, ICCAIA commends their outstanding achievements and is looking forward to continued partnership and shared success in the years to come as we embark on a collective journey of rapidly developing technologies and new markets.

Congratulations once again to the Chinese Society of Aeronautics and Astronautics on this remarkable occasion!

ICCAIA

VACANCIES

ICCAIA is looking for experts to fill the following positions:

Airworthiness Committee Vice-Chair

Health Facilitation and Crisis Response Committee Vice-Chair

**Airport experts to support the ICAO Aerodrome Design and Operations
Panel and airport relating working groups**

Please contact Nina Brooks at nbrooks@iccaia.org for additional information.

SAFRAN: ADVANCING SUSTAINABLE AEROSPACE IN MALAYSIA

Malaysian Aerospace Industry Association (MAIA)

The aerospace sector globally faces mounting pressure to reduce its carbon footprint, minimize waste, and embrace sustainable practices throughout its supply chain. One company that is instrumental to achieving this vision is Safran, a globally renowned high-technology equipment manufacturer operating across aviation, defense, and space sectors and a member of the Malaysian Aerospace Industry Association (MAIA).

Safran has an ambitious policy to support the transition to carbon-neutral aviation by 2050. With 75% of its current R&T spending dedicated to aircraft carbon neutrality, the Group is already reinventing the aeronautics industry of tomorrow. In addition, Safran has undertaken to significantly reduce the greenhouse gas emissions of its operations, production sites and value chain.

Safran's unwavering commitment to innovation, operational excellence, and sustainable aerospace manufacturing has led to cost-effective processes in designing, manufacturing, and supporting high added-value aerospace components.

In 2013, Safran strengthened its presence in Malaysia with the support from the Malaysian Investment Development Authority (MIDA). Safran Landing Systems, a company of the Safran Group, embarked on constructing a cutting-edge facility in Malaysia employing over 140 highly skilled professionals.

This Tier 1 aerospace company specialises in the production and refurbishment of carbon brakes for commercial airplanes, serving industry giants like Boeing, Airbus, and ATR. This strategic positioning not only supports robust business growth in the Asia Pacific region but also complements Safran's other facilities in France and the United States.



Safran carbon brakes for an Airbus A320

Beyond efficiency and durability, Safran's carbon brakes offer a significant sustainability advantage. Remarkably lightweight, with carbon being four times lighter than steel, they contribute to substantial CO2 reduction during flights. The demand for Safran's carbon brakes is on a steady rise, benefiting over 500 airlines and 12,100 commercial planes worldwide.

Safran Landing Systems Malaysia has proactively undertaken measures to reduce its carbon emissions, achieving a remarkable net reduction of 27% compared to its 2018 emissions. This achievement owes itself to the development and implementation of cutting-edge technologies, including on-site electricity generation using waste gas, installing solar panels, along with an enhanced utilities management system.

Safran is working with Malaysian Authorities to completely switch to green electricity by 2027. In parallel, Safran is also in the process of developing a process that will significantly reduce its gas consumption. Beyond energy savings, Safran Landing Systems Malaysia is actively conserving resources by recycling carbon fibers wastes generated during the manufacturing process or reprocessing carbon discs that cannot be repaired anymore.

Aware that its employees are its most precious asset, Safran pursues a proactive policy in favor of training, equal opportunities and diversity, while putting health and safety at the top of its priorities. The group strives to be an exemplary employer to all of our staff, all over the world. Safran Landing Systems implemented in Malaysia an employee-driven approach with a CSR committee once a month to raise staff awareness.



Safran facility in Sendayan



Safran automated machinery in Malaysia

NEWS FROM ICCAIA MEMBERS (Continued)

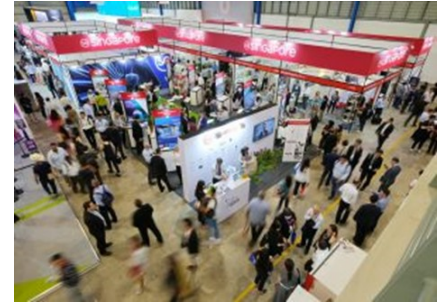
SINGAPORE AIRSHOW 2024 HIGHLIGHTS

Association of Aerospace Industries (Singapore) (AAIS)

The Association of Aerospace Industries (Singapore) (AAIS) made the most of Singapore Airshow 2024. The event was back in full swing from 20 to 25 February 2024, breaking records with 60,000 professionals in attendance representing the global aviation, aerospace and defence industries.

Shaping the Future Through Thought Leadership

AAIS kicked off the Airshow week by partnering with the Agency for Science, Technology and Research (A*STAR) to co-organise the *Singapore Aerospace Technology Leadership Forum 2024*. The first-class thought-leadership event gathered nine Chief Technology Officers from companies including Boeing, Pratt & Whitney, SIA Engineering Company, and Rolls Royce to engage in critical discussions on "Smart Aerospace" and "Net Zero 2050." These thought-provoking sessions explored groundbreaking concepts that will define the future of aviation. [Find Out More: SATLF 2024](#)



Singapore SMEs Shine: The Singapore Pavilion

AAIS facilitated the Singapore Pavilion, which buzzed with activity from Day 1. This year, the pavilion more than doubled its presence, showcasing the diverse capabilities of Singapore SMEs, with 27 exhibitors. In particular, the Pavilion showcased the ecosystem's strengths in Special Processes and Surface Finishing; Innovation and Technology; and Sustainability Solutions. The Singapore Pavilion attracted significant attention from attendees and VIPs alike. Notable visitors included Singapore's Deputy Prime Minister and Coordinating Minister for Economic Policies, Mr. Heng Swee Keat, as well as other senior government officials and decision-makers from around the world. [Find Out More: Singapore Pavilion](#)

Building Connections, Strengthening Global Ties

AAIS also hosted an International Networking Lunch on Day 2, facilitating valuable connections between its members, Singapore Pavilion exhibitors, as well as visiting delegations from Australia, Canada, France and Japan. The Association also took the opportunity to solidify global partnerships with like-minded organisations. AAIS and GIFAS represented by its CEO, Mr. Frederic Parisot, signed a renewal of a bilateral cooperation agreement. During the week, AAIS also hosted a dinner reception for representatives from the Global Aerospace Cluster Summit, a partnership between 12 international Aerospace clusters including the European Aerospace Cluster Partnership (EACP). AAIS also connected with senior representatives from Aero Montreal, ASTM International and the Royal Aeronautical Society, to advance global networks and mutual understanding. [Find Out More: Partnerships](#)

Aerospace Open Innovation Challenge



A noteworthy highlight was the launch of the Aerospace Open Innovation Challenge (AOIC), an initiative by Enterprise Singapore and JTC Corporation supported by AAIS and EDB. Through the AOIC, startups and SMEs are invited to trial and scale their solutions for 12 challenge statements in the areas of sustainability, productivity, and digitalisation. These were issued by seven global corporates based in Singapore, including Airbus, Bell Textron, Collins Aerospace, GE Aerospace, and ST Engineering. Over S\$700,000 of grants and funding support will be available for the co-development and piloting of solutions. [Find Out More: AOIC](#)

Specialised Mediation Framework for Aviation

AAIS also hosted the signing of a Memorandum of Understanding (MOU) between the Hague Court of Arbitration for Aviation (HCAA) and the Singapore International Mediation Centre (SIMC). This marks Asia's first specialised mediation framework for the aviation industry, promising a fast, flexible, and cost-effective mode of dispute resolution for the fast-paced and mission-critical aviation sector. [Find Out More: HCAA-SIMC MOU](#)

It was a dynamic and meaningful week for AAIS, filled with events, meetings, receptions, and media engagements. We extend our congratulations and gratitude to our partners and members on the strategic partnerships, visionary initiatives, and exciting investments announced during the week, which are set to drive the progress of the global aerospace sector.

NEWS FROM ICCAIA MEMBERS (Continued)

CHINA-SINGAPORE BILATERAL AVIATION FORUM

Association of Aerospace Industries (Singapore) (AAIS)

The Association of Aerospace Industries (Singapore) (AAIS) is delighted to have successfully held the first jointly organised event with the Chinese Society of Aeronautics and Astronautics (CSAA). The China-Singapore Bilateral Aviation Forum held on 22 February at Singapore Airshow 2024, brought together business leaders, officials and academics to exchange ideas on the development of the aviation and aerospace industry in the region.

Amidst the anticipated robust growth in the Asia-Pacific fleet and passenger traffic in the coming decades, the Forum facilitated extensive discussions on enhancing supply chains,

exploring the next generation of air travel, and furthering global and industry sustainability goals. Emerging technologies and innovations such as digitalisation, generative AI, electrification, and Sustainable Aviation Fuel were among the hot topics of discussion.

Addressing attendees at the top of the event, AAIS President Mr. Wong Yue Jeen iterated the shifting nexus of commercial aviation towards China and the Asia Pacific region in the next decades. He highlighted the tremendous potential for cooperation between China and Singapore, particularly with the advent of new frontiers in travel such as air taxis, drones, and space. In his opening remarks, Mr. Yao Junchen, CSAA Vice Chairman and Secretary-General emphasised the significance of China's debut at the Singapore Airshow, recognising it as a valuable opportunity for fostering business connections and exchanging technological insights. He also highlighted the establishment of the International Green Aviation Association (IAGA), comprising over 50 organisations and individuals worldwide, dedicated to advancing sustainability in aviation through technological advancements and global cooperation.

The Forum featured presentations covering the aviation market, Advanced Air Mobility (AAM), digital Maintenance, Repair, and Overhaul (MRO), the future of airports, and industry trends with speakers representing a diverse cross-section of the industry from both China and Singapore.



Two panel discussions, featuring industry experts, delved into reshaping business strategies for sustainable growth in MRO and manufacturing. The discussions underscored the importance of building supply chain resilience, fostering collaborative partnerships, embracing data-driven customer-centric approaches, and prioritising capability development. There was also a strong consensus that international cooperation between the private sector, government, and research institutions was crucial for optimising the entire aviation industry on a global scale.

Overall, the Forum highlighted the importance of international cooperation in driving progress and innovation within the aviation and aerospace industry. AAIS extends our gratitude to our partners CSAA and Experia, for the support and contributions towards this successful event.



ACKNOWLEDGEMENTS

ICCAIA would like to sincerely thank all of the contributors to this newsletter, the Committee Chairs and Working Group leads. We would welcome contributions from all members for future issues.

Please let us have your feedback and ideas for future topics at info@iccaia.org

EVENTS CALENDAR – APRIL / DECEMBER 2024

Dates	Meeting	Place/Notes
30 Apr-02 May 2024	ICAO Global Implementation Support Symposium	ICAO-Punta Cana
06-10 May 2024	1st Meeting of the True North Advisory Group (TRUE-AG)	ICAO HQ
07-10 May 2024	9th Meeting of the ICAO Asia/Pacific Search and Rescue Working Group (APSAR/WG/9)	ICAO-Bangkok
19-20 May 2024	7th Meeting of the Directors General of Civil Aviation-Middle East Region	ICAO-Riyadh
20-22 May 2024	Future Aviation Forum 2024 (FAF 2024)	ICAO-Riyadh
20-24 May 2024	7th meeting of the CP-Data Communications Infrastructure Working Group	ICAO HQ
21-22 May 2024	ICAO Facilitation 2024 Global Summit	ICAO-Riyadh
21-23 May 2024	Capacity Building Workshop on Economic Regulation and Oversight	ICAO-Panama City
27-29 May 2024	6th Meeting of the Aerodrome Safety, Planning and Implementation Group	ICAO MID-Muscat
27-31 May 2024	17th AIM Multilateral Meeting of the SAM Region for the transition from AIS to AIM	ICAO-Lima
28-30 May 2024	11th Session of the International Explosives Technical Commission	ICAO HQ
29-31 May 2024	ICAO Aviation Data and Analysis Seminar	ICAO-Paris
03-07 June 2024	3rd Meeting of the Cybersecurity Panel	ICAO HQ
10-14 June 2024	19th Meeting of the ICAO Aeronautical Information Services – Aeronautical Information Management Implementation Task Force (AAITF/19)	ICAO-Bangkok
11 June 2024	ICAO EUR/NAT Regional Webinar on the treatment of serious aviation incidents	ICAO-Virtual
25-28 June 2024	60th Meeting of the North Atlantic Systems Planning Group	ICAO-Paris
25-28 June 2024	ICAO APAC/MID ATM Contingency Planning Workshop (25-27 June 2024)and APAC Contingency Tabletop Exercise (28 June 2024)	ICAO-Bangkok
08-12 July 2024	Committee on Aviation Environmental Protection Steering Group Meeting	ICAO-Brussels
09-10 July 2024	42nd Plenary (Triennial) Session of the European Civil Aviation Conference (ECAC/42)	ECAC-Strasbourg
09-11 July 2024	12th North American, Central American & Caribbean Directors of Civil Aviation Meeting	ICAO-Belize
16-19 July 2024	14th Meeting of the FANS Interoperability Team – Asia (FIT-Asia/14)	ICAO-Bangkok
19-22 August 2024	29th Meeting of the Regional Airspace Safety Monitoring Advisory Group	ICAO-Bangkok
26 Aug-06 Sep 2024	14th Air Navigation Conference 2024	ICAO HQ
09-12 September 2024	1st Advanced Air Mobility Symposium	ICAO HQ
10-13 September 2024	Traveller Identification Programme (TRIP)	ICAO HQ
16-18 September 2024	ICAO Symposium on non-CO2 Aviation Emissions - <i>New Dates</i>	ICAO HQ
24-27 September 2024	9th meeting of the Accident Investigation Panel	ICAO HQ
30 Sep-04 Oct 2024	11th meeting of the Flight Operations Panel	ICAO HQ
02-04 October 2024	ICAO EUR/APAC Search and Rescue Workshop 2024	ICAO-Baku
07-10 October 2024	2024 ICAO LTAG Stocktaking on aviation in-sector CO2 emissions reductions	ICAO HQ
15-17 October 2024	ICAO Global Aviation Security Symposium	ICAO-Oman
21-25 October 2024	24th meeting of the Remotely Piloted Aircraft Systems Panel	ICAO HQ
04-08 November 2024	11th meeting of the Airworthiness Panel	ICAO HQ
04-08 November 2024	5th meeting of the Personnel Training and Licensing Panel	ICAO HQ
07-09 November 2024	2nd International Conference on Green Aviation	CSAA-Chengdu
12-14 November 2024	19th Symposium and Exhibition on Traveller Identification Programme (TRIP/19), MRTDs, Biometrics and Border Security	ICAO HQ
18-22 November 2024	14th Regional Aviation Safety Group—Pan America Meeting, 4th GREPECAS–RASG-PA Joint Meeting, and 22nd Meeting of the Caribbean and South American Regions Planning and Implementation Group	ICAO Regions
09-13 December 2024	Seventh meeting of the Safety Management Panel	ICAO HQ