



Asia Pacific Conference 2019

21-23 May 2019, Fukuoka, Japan

**Navigating the Future of
ATM in the Asia Pacific**

ORGANISER



HOST



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Organised by **CANSO**



CANSO – the Civil Air Navigation Services Organisation – is the global voice of air traffic management (ATM) worldwide. CANSO Members support almost 90 percent of world air traffic. Members share information and develop new policies, with the ultimate aim of improving air navigation services (ANS) on the ground and in the air. CANSO represents its Members' views to a wide range of aviation stakeholders, including the International Civil Aviation Organization, where it has official Observer status. CANSO has an extensive network of Associate Members drawn from across the aviation industry.



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Be part of the future of air traffic management



With CANSO's Members supporting almost 90 per cent of world air traffic, CANSO is the global voice of air traffic management (ATM). Join today to help shape the future of a safe, efficient and seamless airspace.



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By governments, regulators
and key stakeholders



Be connected

Build your network through CANSO
events and digital platforms to reach
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Be inspired

Take advantage of the
40+ publications online and
160+ presentations per year



Be active

Contribute to industry-defining best
practice and thought-leadership through
CANSO events and workgroups



Be innovative

Showcase how your technology can
help the industry and offer new ideas
to common challenges

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Hosted by **Japan Air Navigation Service (JANS)**



Japan Air Navigation Service (JANS) is responsible for the provision of air traffic service, which encompasses air traffic control, flight information and alerting service, for the safe, secure and efficient conduct of flight within Japanese airspace and handling of aircraft movement about 4,900 per day.

As of March 2018, JANS has nearly 4,000 employees of which there are about 2,000 ATCO, 1,400 ATSEP and 600 AIM personnel as government officials.

All aviation professionals, who play significant role for ATM and ANS, are trained and licensed personnel under JCAB regulatory framework.

JANS also provides a wide range of technology management, engineering and technical operation for new infrastructure for ATM and ANS such typified as SWIM, DATACOM, SBAS, GBAS, WAM/ADS-B and advanced CWP.

In addition, JANS is working through its investigation today on ways to improve the safety, the security, the efficiency and the environmental sustainability of the seamless and interoperable ATM and ANS.

As propitious start toward the Olympic and Paralympic Games Tokyo 2020, JANS takes some steps to maintain and maximize capacity of Tokyo metropolitan airports, HND and NRT, and surrounding airspace.

Our new systems for air traffic control are now in the process of implementation at ACC, ATM Centre and major airports. The system provides excellent functional capability for ATM and ANS supporting in congested airspace. It also creates additional safety margin to handle a significant expected increase in aircraft movements to HND and NRT.



Japan.
Endless
Discovery.



Safety in the sky

rests on great teamwork!



JANS
JAPAN AIR NAVIGATION SERVICE

Sponsored by **Aireon**



Aireon is operating a space-based air traffic surveillance system for Automatic Dependent Surveillance-Broadcast (ADS-B) equipped aircraft throughout the entire globe. Aireon harnesses next-generation aviation surveillance technologies that were previously only ground-based and, for the first time ever, extend their reach globally to significantly improve efficiency, enhance safety, reduce emissions and provide cost savings benefits to all stakeholders. Real-time ADS-B surveillance covers oceanic, polar and remote regions, as well as augment existing ground-based systems that are limited to terrestrial airspace. In partnership with leading ANSPs from around the world, like NAV CANADA, Iridium Communications, ENAV, NATS, the Irish Aviation Authority (IAA), and Navair, Aireon has successfully deployed an operational, global, space-based air traffic surveillance system, beginning operations in 2019.

THE FUTURE OF AIR TRAFFIC SURVEILLANCE IS HERE.



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NATS

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Welcome to the CANSO Asia Pacific Conference Conference 2019.

Dear Colleagues,

Welcome to the CANSO Asia Pacific Conference 2019 – CANSO's annual conference for ATM influencers and innovators in the region.

FOREWORD BY

Jeff Poole
Director General
CANSO

The theme this year is 'Navigating the Future of ATM in the Asia Pacific' and over the course of the conference we will be exploring what this journey will look like, including the latest thought-leadership, innovation and best practice in an ever-changing industry.

The Asia Pacific region is expected to see the largest increase in global air traffic in the coming decades, contributing more than 42 per cent of all international air travellers by 2040. Added to rising regional passenger demand and the diversification of both manned and unmanned air traffic, this places huge expectations on the region's air transport system and its capacity to embrace the opportunity and meet demand.

New tools and technologies are perhaps the fastest drivers of change in ATM, from automation and artificial intelligence, to blockchain security, digital and remote towers and space-based surveillance. These offer opportunities to improve the safety and efficiency of air navigation services and improve performance.

The Asia Pacific region has long championed innovation in ATM and is already leading by example in the early adoption of technologies, procedures and tools including air traffic flow management (ATFM), system-wide information management (SWIM), smart towers and unmanned traffic management (UTM). The foundation of this is strong partnerships; both among CANSO Member organisations and between the people, processes and technologies that drive them.

Ultimately, collaboration, innovation and human performance propel operational efficiency, transform global ATM performance, and bring us ever closer to truly seamless skies. I look forward to hearing the experiences and solutions the CANSO membership has to share over the conference.

I would like to thank the conference host JANS, lead sponsor Aireon, and our other sponsors and exhibitors for supporting this event. I wish you a productive and very pleasant time in Fukuoka.

Sincerely,

A stylized handwritten signature in black ink, appearing to read 'Jeff Poole'.

Jeff Poole
Director General
CANSO



PROGRAMME AT-A-GLANCE



TUESDAY 21 May 2019

08:30-09:00

Registration for Workgroup Meetings

📍 Foyer Shika, Floor 5

09:00-17:00

Operations Workgroup Meeting – Closed Meeting

📍 Shika 1, Floor 5

09:00-17:00

Safety Workgroup Meeting – Closed Meeting

📍 Shika 2, Floor 5

18:00-18:30

Speakers' Briefing – Closed Meeting

📍 Shika, Floor 5

18:00-19:00

Pre-registration for the CANSO Asia Pacific Conference 2019

📍 Foyer La Mer, Annex 1

19:00-21:00

Welcome Reception

📍 La Mer, Annex 2

Hosted by



WEDNESDAY 22 May 2019

08:00-09:00

Conference Registration

📍 Foyer Tsukushi, Floor 3

09:00-18:00

CANSO Asia Pacific Conference 2019

📍 Tsukushi C, Floor 3

09:00-18:00

Exhibition

📍 Tsukushi B, Floor 3

19:00-21:30

Conference Dinner

📍 Hilton Fukuoka Sea Hawk

Please meet in the Hotel Nikko Fukuoka lobby for an 18:30 departure. Shuttle buses will leave the Conference Dinner at 21:30 to return to the Hotel Nikko Fukuoka at 22:00.

Hosted by



THURSDAY 23 May 2019

08:30-09:00

Conference Workshop Registration

- (A) Safety Culture and Fatigue Risk Management Workshop
- (B) Air Traffic Flow Management (ATFM) and Airport Collaborative Decision-Making (A-CDM) Workshop

📍 Foyer Tsukushi, Floor 3

09:00-17:30

Exhibition

📍 Tsukushi B, Floor 3

09:00-15:00

Conference Workshops

- (A) Safety Culture and Fatigue Risk Management Workshop

📍 Shika, Floor 5

- (B) ATFM and A-CDM Workshop

📍 Tsukushi C, Floor 3

15:00-15:30

**Registration for the Aireon Sponsored Workshop:
The North Atlantic is Just the Beginning:
Space-Based ADS-B Takes Flight**

📍 Foyer Tsukushi, Floor 3

15:30-17:30

**The North Atlantic is Just the Beginning:
Space-Based ADS-B Takes Flight**

📍 Tsukushi C, Floor 3

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sponsored by



FRIDAY 24 May 2019

08:00-17:30

Cultural Programme

The tour will depart Hotel Nikko Fukuoka Lobby at 08:00 returning to the Hotel Nikko Fukuoka at 17:30. Lunch will be provided.

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CONFERENCE PROGRAMME



TUESDAY 21 May 2019

● **08:30-09:00**

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● **09:00-17:00**

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📍 Shika 2, Floor 5

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📍 Foyer La Mer, Annex 1

19:00-21:00

Welcome Reception

📍 La Mer, Annex 2

Hosted by



WEDNESDAY 22 May 2019

08:00-09:00

Conference Registration

📍 Foyer Tsukushi, Floor 3

09:00-18:00

Exhibition

📍 Tsukushi B, Floor 3

09:00-10:15

Opening Addresses

📍 Tsukushi C, Floor 3

- **Mr. Jeff Poole**, Director General, CANSO
- **Mr. Yasuhiro Iijima**, Director General, JANS
- **Dr. Manjit Singh**, Deputy Regional Director, ICAO Asia & Pacific Office
- **Mr. Kevin Shum**, Director-General, CAAS and Chair, Asia Pacific CANSO CEO Committee (APC3)
- **Mr. Kozo Fujita**, Vice-Minister for Transport and Tourism, Ministry of Land, Infrastructure, Transport and Tourism of Japan

10:15-10:45

Networking Break

📍 Tsukushi B, Floor 3

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10:45-11:15

Guest Speaker Session

Drone services in Japan – Balancing safety and security with commercial and operational needs

📍 Tsukushi C, Floor 3

Hear from Mr. Hideaki Mukai, CEO of Rakuten AirMap, as he explains the challenges and opportunities of drone operations, and how technology can balance safety and security considerations with the commercial and operational needs of drone services in Japan.

Guest Speaker:

- **Mr. Hideaki Mukai**, CEO, Rakuten AirMap

Facilitator:

- **Mr. Hai Eng Chiang**, Director Asia Pacific Affairs, CANSO

11:15-12:45

Navigating the changing ATM landscape in Asia Pacific

📍 Tsukushi C, Floor 3

With air traffic projections outstripping capacity growth in the region, affecting not only airspace and infrastructure but also the availability of skilled and qualified personnel, what should the flight plan be for Asia Pacific ANSPs over the next decade? How can ANSPs here navigate an ever-changing aviation landscape brought about by continuous traffic growth, disruptive technology and new entrants? Amid these challenges, how can we balance the need for rapid transformation and bold innovation with strong regulatory oversight and safety as our top priority? What are the driving forces of change and the key enablers that could help ANSPs and their regulators realise the region's vision of a safe and seamless sky?

- **Dr. Manjit Singh**, Deputy Regional Director, ICAO Asia & Pacific Office
- **Ms. Teri Bristol**, Chief Operating Officer, FAA
- **Capt. Jim Sydiongco**, Director General, Civil Aviation Authority of the Philippines (CAAP)
- **Mr. Graeme Sumner**, CEO, Airways New Zealand

Facilitator:

- **Mr. Hai Eng Chiang**, Director Asia Pacific Affairs, CANSO

12:45-13:45

Lunch

📍 Tsukushi B, Floor 3

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13:45-15:30

Staying ahead of the curve in ATM

📍 Tsukushi C, Floor 3

Many ANSPs in the Asia Pacific Region have embarked on major ATM initiatives or have developed ATM masterplans to deliver safe and efficient delivery of ATM in the years ahead. What are these initiatives in the region and what are the key considerations, challenges and lessons learnt from their implementation? Join our panel of CEOs and experts from some of the region's leading ANSPs as they discuss their experiences to stay ahead of the curve.

- **Mr. Che Jinjun**, Director General, ATMB/CAAC
- **Mr. Yasuhiro Iijima**, Director General, JANS
- **Mr. Tinnagorn Choowong**, Executive Vice-President Operations, AEROTHAI
- **Mr. Paddy Goodall**, ATM Network Services Manager, Airservices Australia

Facilitator:

- **Mr. Hai Eng Chiang**, Director Asia Pacific Affairs, CANSO

15:30-16:00

Networking Break

📍 Tsukushi B, Floor 3

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16:00-16:30

CANSO: Fit for the Future of ATM

📍 Tsukushi C, Floor 3

CANSO, through its Strategy and Integration Standing Committee (SISC), has embarked on a strategic initiative to ensure that CANSO remains strong and fit for the future. The Chair of the SISC will share the strategic direction and focus areas of the new CANSO strategy, *CANSO: Fit for the Future of ATM*.

- **Ms. Carey Fagan**, Chair of the CANSO Strategy and Integration Standing Committee

Facilitator:

- **Mr. Hai Eng Chiang**, Director Asia Pacific Affairs, CANSO

16:30-17:45

Harnessing the critical enablers of ATM – technological innovation, investing in our people and human performance

📍 Tsukushi C, Floor 3

Technological innovation, investing in the next generation of ATM professionals and having a clear understanding of human performance are some of the critical enablers of ATM. What are the latest developments in these fields and how can the region's ANSPs harness them and equip their people with the right skills and knowledge to turn challenges into opportunities? Our panel of speakers who are leaders in their respective fields will share challenges and success stories and discuss how these critical enablers can bring about transformative changes as we navigate the future of ATM in the Asia Pacific region.

- **Prof. Vu Nguyen Duong**, Director, ATM Research Institute
- **Mr. Jonathan Astill**, Vice President and General Manager of Air Traffic Flow Management Services, Aireon
- **Ms. Sharon Cooke**, CEO, Airways International
- **Mr. Osman Saafan**, Chief Safety and Security Officer and Director Civil-Military Affairs, DFS Deutsche Flugsicherung GmbH

Facilitator:

- **Mr. Hai Eng Chiang**, Director Asia Pacific Affairs, CANSO

17:45-18:00

Closing Remarks and Announcement by Host of Next Year's Conference

📍 Tsukushi C, Floor 3

- **Mr. Kevin Shum**, Director-General, CAAS and Chair, Asia Pacific CANSO CEO Committee (APC3)

19:00-21:30

Conference Dinner

📍 Hilton Fukuoka Sea Hawk

Please meet in the Hotel Nikko Fukuoka lobby for an 18:30 departure. Shuttle buses will leave the Conference Dinner at 21:30 to return to the Hotel Nikko Fukuoka at 22:00.

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THURSDAY 23 May 2019

08:30-09:00

Conference Workshop Registration

- (A) Safety Culture and Fatigue Risk Management Workshop
- (B) Air Traffic Flow Management (ATFM) and Airport Collaborative Decision-Making (A-CDM) Workshop

📍 Foyer Tsukushi, Floor 3

09:00-17:30

Exhibition

📍 Tsukushi B, Floor 3

09:00-10:30

Conference Workshop

(A) Safety Culture and Fatigue Risk Management Workshop

📍 Shika, Floor 5

Chief Facilitator:

- **Mr. Shayne Campbell**, Safety Programme Manager, CANSO

Facilitators /Presenters:

- **Mr. Osman Saafan**, Chief Safety and Security Officer and Director Civil-Military Affairs, DFS Deutsche Flugsicherung GmbH
- **Mr. Patrick Gontar**, Head of Safety Intelligence, DFS Deutsche Flugsicherung GmbH
- **Mr. Larry Lachance**, Vice President, Safety and Quality, NAV CANADA
- **Mr. Neil May**, Head of Human Factors, NATS

Conference Workshop

(B) ATFM and A-CDM Workshop

📍 Tsukushi C, Floor 3

Chief Facilitator:

- **Mr. Tinnagorn Choowong**, Chair, CANSO Asia Pacific Operations Workgroup and Executive Vice-President Operations, AEROTHAI

Facilitators /Presenters:

- **Mr. Stuart Ratcliffe**, Business Development Director & Principle SME: ATFM/CDM and ATM, Metron Aviation
- **Mr. Fredrik Lindblom**, Sales Director, Saab AB

10:30-11:00

Networking Break

📍 Tsukushi B, Floor 3

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11:00-12:30

Conference Workshops – Continued

(A) Safety Culture and Fatigue Risk Management Workshop

📍 Shika, Floor 5

(B) ATFM and A-CDM Workshop

📍 Tsukushi C, Floor 3

12:30-13:30

Lunch

📍 Tsukushi B, Floor 3

Sponsored by

NATS

13:30-15:00

Conference Workshops – Continued

(A) Safety Culture and Fatigue Risk Management Workshop

📍 Shika, Floor 5

(B) ATFM and A-CDM Workshop

📍 Tsukushi C, Floor 3

15:00-15:30

Networking Break

📍 Tsukushi B, Floor 3

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15:00-15:30

Registration for the Aireon Sponsored Workshop:

**The North Atlantic is Just the Beginning:
Space-Based ADS-B Takes Flight**

📍 Foyer Tsukushi, Floor 3

15:30-17:30

**The North Atlantic is Just the Beginning:
Space-Based ADS-B Takes Flight**

📍 Tsukushi C, Floor 3

Hosted and
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Aireon's global database of real-time aircraft position data supports tactical ATC, global air traffic analysis, airspace and air route design, capacity and resource planning, predictability analysis for arrivals and departures and fleet optimization. In this presentation, Aireon will focus on the concept of operations with PNG Air Services Limited (PNGASL), in which the team is currently determining the ANSP's operational requirements to tailor the service offering.

Join Aireon for an exciting workshop on the status of the operational system and explore the future possibilities of the world's very first global, real-time air traffic system.

- **Mr. Peter Cabooter**, Vice President of Customer Affairs, Aireon
- **Mr. Adam Burford**, Business Development, Asia Pacific, Aireon
- **Mr. Ken McLean**, Regional Director, Asia Pacific, Aireon
- **Mr. Jonathan Astill**, Vice President and General Manager of Air Traffic Flow Management Services, Aireon



FRIDAY 24 May 2019

08:00-17:30

Cultural Programme

The tour will depart Hotel Nikko Fukuoka Lobby at 08:00 returning to the Hotel Nikko Fukuoka at 17:30. Lunch will be provided.

Hosted by



As part of the CANSO Asia Pacific Conference 2019, conference host JANS kindly invites participants to experience Japanese industry and culture. Participants will visit the Toyota factory, along with the Bridgestone factory which produces tires for passenger cars, light trucks, aircraft, racing cars and more. Attendees will also experience a lacquer workshop of the traditionally handcrafted speciality of Rantai Shikki which is locally made from Fukuoka bamboo and coated in lacquer. In addition, participants will also visit Yoshinogari ancient ruins, where structures and relics from the Yayoi period of Japanese history which spanned approximately 600 years are found.





Cultural Programme Schedule

- **08:00** Depart Hotel Nikko Fukuoka
- **08:50** Tour of Toyota Motor Kyushu Miyata Factory
- **11:30** Lunch

After lunch the group will be split in two different groups.

Further programme schedule group A

- **13:00** Tour of Bridestone Kurume Plant
- **14:45** Inoue Rantai Shikki Lacquer Workshop
- **15:40** Visit to Yoshinogari Historical Park
- **17:30** Arrive back to Hotel Nikko Fukuoka

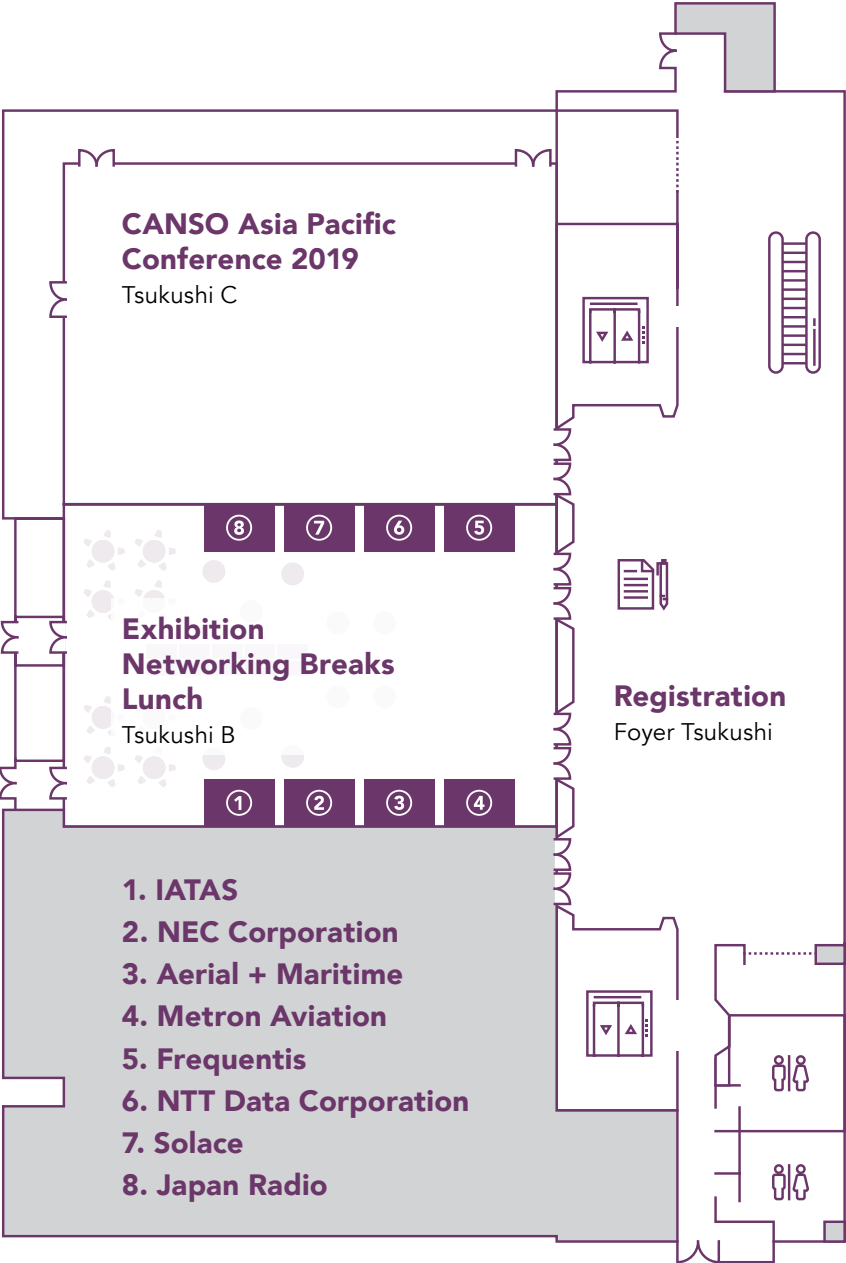
Further programme schedule group B

- **13:00** Visit to Yoshinogari Historical Park
- **14:20** Inoue Rantai Shikki Lacquer Workshop
- **15:00** Tour of Bridestone Kurume Plant
- **17:30** Arrive back to Hotel Nikko Fukuoka

Pre-registration for the cultural programme is mandatory.

Please kindly note the deadline to register for the cultural programme is 3 May 2019.

FLOORPLAN



SPONSORS AND EXHIBITORS

Lead and Workshop Sponsor



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Aireon is operating a space-based air traffic surveillance system for Automatic Dependent Surveillance-Broadcast (ADS-B) equipped aircraft throughout the entire globe. Aireon harnesses next-generation aviation surveillance technologies that were previously only ground-based and, for the first time ever, extend their reach globally to significantly improve efficiency, enhance safety, reduce emissions and provide cost savings benefits to all stakeholders. Real-time ADS-B surveillance covers oceanic, polar and remote regions, as well as augment existing ground-based systems that are limited to terrestrial airspace. In partnership with leading ANSPs from around the world, like NAV CANADA, Iridium Communications, ENAV, NATS, the Irish Aviation Authority (IAA), and Naviair, Aireon has successfully deployed an operational, global, space-based air traffic surveillance system, beginning operations in 2019.

Networking Sponsor



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Airways is a world-leading provider of air traffic management, air navigation, training and consultancy services, and is renowned globally for driving innovation and development in the aviation sector. With a continuous improvement approach to air safety and operational efficiency, New Zealand's ANSP has a proud history of safe and reliable operational performance.

Airways has the expertise, leading-edge thinking and nimble decision-making to serve our customers globally. Our internationally recognised training programmes, advanced simulation and ATC selection solutions, and interactive learning resources help customers achieve lower training costs with high success rates. We also design future-ready airspace through our subsidiary Aeropath.

Networking Sponsor



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Leidos is a FORTUNE 500® science and technology solutions and services leader working to solve the world's toughest challenges in the defense, intelligence, homeland security, civil and health markets. In the aviation sector, our international air traffic control solution - SkyLine-X - amplifies best practices established with the Federal Aviation Administration and offers Air Navigation Service Providers an affordable, highly-configurable system that is compliant with global standards and operational in months.

Learn more at leidos.com/aviation.

Lunch Sponsor



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Founded in 1962, NATS is the leading air navigation service provider in the UK, operating under licence from the regulatory body, the Civil Aviation Authority. NATS provides air traffic control services for over 2.5 million flights each year and up to 8000 flights a day, across UK and North Atlantic airspace, as well as at 13 of the busiest UK airports. NATS works in partnership with the UK military, airlines, airports, aviation authorities and Governments in over 30 countries to deliver a safe and quality service in the design and operation of airspace, engineering, data and consultancy solutions.

Lanyard Sponsor



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The people we all rely on to make air travel safe and efficient rely on Thales. Thales is a global leader in air traffic management, designing, delivering and supporting the aviation systems that keep our skies running. Our advanced technologies and ground-breaking innovations deliver solutions that are continually adapting to the ever-changing needs of the aviation industry. With engagement in all major ATM modernization initiatives, NextGen, ICAO ASBUs, and SESAR, Thales focuses on international harmonization. Our strong involvement in these initiatives, and the alignment of our product roadmaps, ensures that our solutions have been extensively tested, certified and validated.

Exhibitor



Contact Information

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Aerial & Maritime was established in 2015 with main shareholders being GomSpace Group and the Investment Fund for Developing Countries (IFU).

The Company's head office is located in Mauritius with subsidiaries and offices in Ghana and Denmark.

Aerial & Maritime offers a nanosatellite-based service for monitoring aircrafts and maritime vessels in a region spanning from latitudes 37 degrees Northern through 37 degrees Southern Latitude. Our primary offerings are Next-Generation enabled ADS-B and AIS services for monitoring aircraft and maritime vessels respectively.

Exhibitor

FREQUENTIS

Contact Information

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With more than 70 years of experience Frequentis is a market leader in the ATM domain, offering a range of integrated solutions and services to support customer demands for safety and efficiency. From ATM-grade networks to remote virtual tower solutions and UTM, our innovative technology is actively managing the change in ATM.

Our solutions are supporting the future of air traffic control: communication, information, and automation where we ensure that safety always comes first. FREQUENTIS DFS AEROSENSE is a joint venture by Frequentis AG and the German ANSP DFS Deutsche Flugsicherung GmbH through its subsidiary DFS Aviation Services. As the worldwide trusted partner providing turnkey advanced remote sensing solutions for ATC, AEROSENSE combines Virtual Tower systems from Frequentis with proven operational and regulatory concepts from the DFS group.

Exhibitor

IATAS

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iatas.aero

IATAS's model is the right for you organizational structure and needs, as there is no purchase needed or upfront fees. IATAS will install, provision, commission and maintain all products as a service, including adherence to evolving regulations affecting your operations. IATAS will collaborate with your organization to ensure operational safety, capacity, efficiency, regulatory adherence and resiliency.

IATAS specializes in Tower systems A-SMGCS Level 4 to increase capacity, anti- incursion systems, efficient upper airspace/AMAN/DMAN/XMAN, autonomous clearance delivery without CPDLC, Global ATFM synchronization platform, national multi-tower remote backup and more.

Exhibitor



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jrc.co.jp

With a long history working with the Civil Aviation Authority in Japan and a wealth of experience in the aviation industry worldwide, Japan Radio Co., Ltd delivers multilateration (MLAT) system named OPTIMUS (Optically Connected Multilateration System) developed jointly with ENRI (Electric Navigation Research Institution) in Japan. OPTIMUS is designed to aid in handling more traffic and to maintain airport operating levels safely and efficiently by addressing the vulnerability of multipath adversely affecting the surveillance which is difficult to avoid by conventional MLAT system. Direct transmission via optical fiber and centralized processing RF signals enable OPTIMUS to achieve the highest levels of safety in operational reliability.

Exhibitor



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Metron Aviation is helping the Air Traffic Flow Management industry minimize delays, reduce fuel costs and balance demand with capacity. Metron supports customers with a variety of ATFM tools and services that include decision management, post operational reporting and analysis, weather translation, environmental impact, assessment services, and advanced interactive ATFM simulation training. To solve your ATFM challenges, think Metron Aviation.

Exhibitor



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nec.com

NEC Corporation is a leader in the integration of IT and network technologies that benefit businesses and people around the world. The NEC Group globally provides "Solutions for Society" that promote the safety, security, efficiency and equality of society. Under the company's corporate message of "Orchestrating a brighter world," NEC aims to help solve a wide range of challenging issues and to create new social value for the changing world of tomorrow.

Exhibitor

NTT DATA

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nttdata.com/global/en

NTT DATA Corporation has been accumulating expertise on the development of socially embedded and mission-critical IT infrastructures. We have 40 years of experience in the Aviation Domain in Japan. At the CANSO Asia Pacific Conference 2019, we proudly exhibit our products. We would like to highlight PANADES, software package for Flight Procedure Design compliant to ICAO PANS-OPS. User can draw procedure, access obstacles, output the result and manage data of AIP with easy operation. airpalette UTM, our brand-new solution which supports sUAS (small Unmanned Aircraft System) operators to manage sUAS. We welcome all delegates and look forward to seeing you.

Exhibitor

solace.

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yl.tang@solace.com
solace.com

Solace provides the only unified advanced event broker technology that supports publish/subscribe, queueing, request/reply, message replay and streaming using open APIs and protocols across hybrid cloud and IoT environments. The company's smart data movement technologies rapidly and reliably route information between applications, devices and people, as well as across public and private clouds. Established enterprises such as SAP, Barclays and the Royal Bank of Canada as well as high-growth companies such as VoiceBase and Jio use Solace to modernize legacy applications and successfully pursue analytics, hybrid cloud and IoT strategies.

FORTHCOMING CANSO EVENTS



Global ATM Summit and AGM

📍 Geneva, Switzerland

📅 17-19 June

CANSO brings together global leaders from across the aviation industry to discuss key contemporary issues and projects.

- ✓ 2.5 days
- ✓ 200+ delegates
- ✓ 64% ANSPs
- ✓ 49 countries



Africa Conference

📍 Dar es Salaam, Tanzania

📅 26-29 August

This conference focuses on a rapidly developing region, the diverse challenges and wealth of opportunities.

- ✓ 2.5 days
- ✓ 120+ delegates
- ✓ 67% ANSPs
- ✓ 23 countries



Global ATM Safety Conference

📍 Paris, France

📅 4-7 November

An event brings together leading experts in safety and offers an unparalleled insight into policy, best practice and innovation.

- ✓ 4 days
- ✓ 80+ delegates
- ✓ 83% ANSPs
- ✓ 35 countries



Latin America and Caribbean Conference

📍 Willemstad, Curacao

📅 19-21 November

This conference offers exciting opportunities for the advance and development of ATM in the region and beyond.

- ✓ 2.5 days
- ✓ 100+ delegates
- ✓ 42% ANSPs
- ✓ 22 countries

A quality service from



In association with

MITRE

Comprehensive and Integrated Training

Aviation System Block Upgrade (ASBU)

Methodology and Best Practices for ASBU Implementation



More Information and Registrations
<http://mai.mitrecaasd.org>

DRESS CODE



Tuesday 21 May 2019

Operations Workgroup Meeting	Smart Casual
Safety Workgroup Meeting	Smart Casual
Welcome Reception	Smart Casual



Wednesday 22 May 2019

Conference	Business
Conference Dinner	Smart Casual



Thursday 23 May 2019

Safety Culture and Fatigue	
Risk Management Workshop	Smart Casual
ATFM and A-CDM Workshop	Smart Casual
The North Atlantic is Just the Beginning: Space-Based ADS-B Takes Flight	Smart Casual



Friday 24 May 2019

Cultural Programme	Casual
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PRACTICAL INFORMATION



Event Venue

Hotel Nikko Fukuoka

2-18-25 Hakata Ekimae, Hakata-ku
Fukuoka-shi, Fukuoka, Japan



Arrival to Fukuoka Airport

The host of the CANSO Asia Pacific Conference 2019, JANS, would like to kindly welcome you at Fukuoka Airport, at the CANSO Welcome Desk, located in the arrival floor of the domestic terminal. The CANSO Welcome Desk will be open from 08:00-19:00, from Monday 20 May to Tuesday 21 May, to assist with necessary information including hotel transfer and exchanging currency. If your flight arrives outside of these hours and you would like to find out more local information please kindly contact JANS directly by emailing **Ms. Hideko MISHIMA** (mishima-h46dg@mlit.go.jp) with in copy **Mr. Kenichi MATSUNAGA** (matsunaga-k46bi@mlit.go.jp).

Further information about Fukuoka Airport, please visit fuk-ab.co.jp/english/index.



Transport within Fukuoka

The subway is the most convenient way to move around Fukuoka city. For more information, please visit subway.city.fukuoka.lg.jp/eng/.



Time Zone

The time zone in Japan is UTC + 9:00.



Language

The official language of Japan is Japanese. However, English is widely understood and spoken.



Currency

The official currency in Japan is Yen (¥). 1 USD is approximately 111 Yen and 1 EUR is approximately 125 Yen.



Bank / Credit Cards

Credit cards such as JCB, VISA, MASTER, AMEX are widely used except for small shops/restaurants. Please note that once you have passed immigration at Fukuoka Airport you will find currency exchange offices.



Tipping

Tipping is not customary in Japan.
The service charge is included in the bill.



Electricity

The voltage used in Japan is 100 volts, A.C. There are two kinds of frequencies in use; 50 Hertz in eastern Japan (including Tokyo) and 60 Hertz in western Japan (including Nagoya, Kyoto, Osaka and Fukuoka).



Emergency Services

Ambulance, Rescue and Medical Emergency: 119

Police: 110

Country code of Japan is 81.

CONTACT INFORMATION

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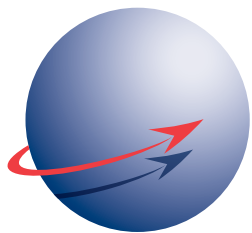
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canso

civil air navigation services organisation

