

## ICAO APAC Aviation Cybersecurity Seminar Presenter's Profile

### Session 2: Cyber Threat Landscape to Civil Aviation

Mr. Rashad Karky  
Aviation Cybersecurity Officer  
ICAO HQ  
Montreal, Canada



Mr. Rashad Karky has more than 19 years of experience in the civil aviation sector. He joined ICAO headquarters in 2020 as the Aviation Cybersecurity Officer, a role that benefits from his diverse aviation experience to support and foster the development of a global, robust, and holistic aviation cybersecurity framework for the civil aviation sector.

Before joining ICAO, he was the Technical Director of a regional airline association, where he was in charge of policy, advocacy, and technical projects across many aviation domains, including air transport economics, aviation safety, aviation security, aviation cybersecurity, facilitation, emergency response planning, ground operations, flight operations, airspace and air traffic management, and engineering & maintenance.

Prior to his aviation career, Rashad worked in the computer software industry, mostly as a software designer, with a focus on software security.

Mr. Nickelby Thane  
Regional Information Security Manager  
(Asia Pacific), Aviation ISAC



Mr. Nickelby (Nick) Thane has over 18 years of IT/information security experience ranging from roles such as a security engineer, penetration tester, consultant to a Chief Information Security Officer (CISO).

Nick joined the Aviation ISAC in February 2023 as the regional information security manager building communities in the APAC region and championing the importance of community sharing in a trusted manner.

Nick strongly believes that it is only through trust and continuous comradeship within the aviation community can then a resilient and capable community exist to battle against cyber threats effectively.

Mr. Yoon Donghwan  
Senior Certification Engineer  
Korea Institute of Aviation Safety  
Technology  
Republic of Korea



Mr. Yoon Donghwan participated in the Air Navigation Facilities such as Korean SBAS (KASS), MLAT and Remote Tower Module certification programs from 2017 to 2023 and has been responsible for the certification of aviation security equipment and research on aviation cybersecurity policy and technology since 2024.

Mr. Taka Chow  
Senior AVSEC Operations Officer Civil  
Aviation Department,  
Hong Kong, China



Mr. Taka Chow has been a distinguished figure in the aviation industry with his career spanning over two decades, covering a wide range of aspects. His journey began in 2005 when he embarked on his professional path as a Management Trainee at the Hong Kong Aircraft Engineering Co. (HAECO). Over the next six years, he specialized in quality assurance and airworthiness, laying a strong foundation for his future endeavors.

In 2011, Taka transitioned to the Civil Aviation Department (CAD), taking on the role of Operations Officer in the Flight Safety Office. Here, he made contributions by managing the implementation of Safety Management Systems (SMS) and State Safety Program (SSP). His keen understanding of flight safety and his commitment to excellence quickly propelled him to higher responsibilities.

As a Senior Safety Manager within the Air Traffic Management Division, Taka played a pivotal role in ensuring the highest standards of safety and efficiency in air traffic control operations. His dedication to the field eventually led him to pivot towards Aviation Security, where he has made substantial impacts by focusing on the approval of screening equipment, conducting thorough background checks, and addressing cybersecurity concerns.

In his current role, Taka also oversees the implementation of Annex 9 on facilitation among various stakeholders in Hong Kong, demonstrating his versatility and comprehensive understanding of the aviation sector.

Taka is an Avsec Professional Manager, which he attained in 2017.

Mr. Gabriel Foo  
Deputy Director (Oversight &  
Governance)  
Cybersecurity Division  
Civil Aviation Authority of Singapore



Mr. Gabriel Foo currently serves as Deputy Director (Oversight & Governance) in the Cybersecurity Division of CAAS. Gabriel brings over 18 years of experience in technology and cybersecurity management across critical sectors, including government, defence, oil/gas and transport. Gabriel currently is responsible for the cybersecurity oversight of the aviation sector's Critical Information Infrastructure (CIIs) and systems. His areas of expertise include reviewing and enhancing cybersecurity policies and regulations to align them with international standards and best practices.

Previously, Gabriel was from the Cybersecurity Agency of Singapore (CSA) where he was the principal author of the agency's Security-by-Design Framework and the first edition of the Cybersecurity Code of Practice which played a pivotal role involving the Singapore's Cybersecurity Act 2018.

**Session 4: Regional perspectives -APAC States and industry stakeholders experience in addressing cybersecurity in civil aviation**

Ms. Catherine Pombreaw  
IT Support Officer  
Civil Aviation Safety Authority  
Papua New Guinea



Ms. Catherine Pombreaw has over 10 years of IT experience with regards to cybersecurity, networking, IT infrastructure support, website development and database management. Since 2014, Catherine joined the Civil Aviation Safety Authority of Papua New Guinea (CASAPNG) and has been instrumental in the development of aviation cybersecurity documents in PNG.

Catherine believes that hackers do not discriminate, therefore Cybersecurity is everyone's responsibility and as long as we have the skills, knowledge and resources, we must assist one other to build a resilient aviation cybersecurity community.

Ms. Joy Cheng  
Counsellor (Transport)  
Department of Home Affairs, Australia



Since November 2023, Ms. Joy Cheng has held the position of Counsellor (Transport), Cyber and Infrastructure Security Group, Department of Home Affairs, based at the Australian Embassy in Bangkok, Thailand. Joy works with partner countries in the Mekong and South-Asia regions to enhance transport security capability, oversight and processes.

Prior to this appointment, Joy occupied various Director roles within the Cyber and Infrastructure Security Group, including Director Transport Security International Capability Building Program, Director Maritime Security Policy and Director AusCheck Legal Policy and Reforms. Overall, Joy has 14 years of experience as an Australian public servant in various legal and national security roles.

Joy holds a combined Bachelor of Laws/ Arts from the University of New South Wales.

Mr. Raymond Chan  
Senior Electronics Engineer  
Civil Aviation Department,  
Hong Kong, China



Mr. Raymond Chan serves as the cybersecurity manager for Air Traffic Service (ATS) systems at the Civil Aviation Department (CAD) of Hong Kong, China. His current focus includes strengthening aviation cybersecurity, implementing best practices, and developing cybersecurity training programs for the staff.

Raymond holds a Master's degree in Electronics Engineering, Air Transport Management and Juris Doctor. His professional certifications include Certified Information Systems Auditor (CISA), Certified Information Security Manager (CISM) and Certified Information Systems Security Professional (CISSP).

Dr. Sharad Kumar  
Member (Operations)  
Airport Authority of India



Dr. Sharad Kumar is presently working as Member (Operations) on the Board of Directors of Airports Authority of India (AAI) which is the largest Airport Operator in India. In addition to this, he is the Chairman of Chandigarh International Airport Limited (a JV company of AAI, Govt. of Punjab and Govt. of Haryana).

In the present role, he is responsible for operation/ management of passenger terminals, development & maintenance of airside infrastructure and provision of passenger facilities thereby ensuring safe and secure operations of aircraft and passenger in the country. He also looks after Aviation Security, Airport Rescue & Fire Fighting and Information Technology departments of AAI.

Prior to taking over the charge of Member (Operations) in AAI, he has served as the Airport Director, Chennai International Airport which is one of the biggest airports in India. With over 34 years of experience and expertise, he has worked in several capacities in various airports across India like Chennai, Mumbai, Delhi, Goa, Jabalpur, Nagpur, Sikkim (Greenfield Airport), Srinagar, Bhubaneshwar & Jammu.

He has a Graduate degree in Civil Engineering, MBA in Human Resource Management and Ph. D. in Management. He also holds International Airport Professional – IAP degree accorded by ACI and ICAO.

Mr. Gary Leung  
Senior Manager - Security and  
Facilitation  
ACI Asia-Pacific & Middle East  
(Airports Council International)



Mr. Gary Leung is the Senior Manager - Security & Facilitation of Airports Council International (ACI) Asia-Pacific & Middle East based in Hong Kong.

In his role, Gary is ACI's point of contact for regional security and facilitation issues for over 610 airports in Asia-Pacific and the Middle East. He also serves as the secretary to the ACI Asia-Pacific Regional Aviation Security Committee, in which he is responsible in guiding the regional airport security experts in devising strategies to identify and address common security concerns.

Over the years, Gary has also worked closely with various regional security policy makers and associations in the region, and he was the vice-chair of the ICAO Middle East Regional Aviation Security and Facilitation Implementation Team (RAFIT).

Prior to ACI, Gary had worked in different areas in the aviation industry where he had gained a broad experience working with customers and a deep knowledge of the industry in the Asia-Pacific Region.