



# 69<sup>th</sup> International Congress of Aviation and Space Medicine

Under the auspices of the International Academy of Aviation and Space Medicine

*Save the Date*

26 - 29 October, 2023 | Conrad at Etihad Towers, Abu Dhabi, UAE



[www.icas2023.com](http://www.icas2023.com)



## President's Welcome Message

Dear Colleagues,

As President of the International Academy of Aviation and Space Medicine I look forward to seeing you at our **69th International Congress of Aviation and Space Medicine** in Abu Dhabi in **October 26-29, 2023**. Each year the Academy selects an applicant organization from around the world to host a Congress and we are very pleased that in 2023 we will be going to Abu Dhabi, in the United Arab Emirates. This marks a new chapter in the long history of International Congresses of Aviation & Space Medicine (ICASM) and a "first" for the Academy in this fascinating region of the world.



The role and scope of ICASM covers the breadth of medicine, science and human factors in the topics presented and discussed. As President of the Academy, I would like to invite all those involved in aerospace medicine not only to attend the meeting, but also to consider contributing to the scientific programme by submitting an abstract for an oral or poster presentation at the meeting. The Organising Committee are putting together a programme that will contain not only our prestigious Allard Lecture and Ernsting Panel but also varied and interesting sessions of original research and education across the practice of aviation and space medicine and its underpinning scientific disciplines. I know they are also developing the chance for delegates to undertake one of several educational visits along with the auditorium sessions. We are sure that the whole programme will be valued and exciting for doctors, nurses, scientists and indeed all those whose practice touches on the consequences of flight within and beyond our atmosphere.

While the world has been impacted by the effects and associated restrictions caused by the Covid 19 pandemic the opportunities to meet and exchange ideas and information in person are now returning. To speak in person to professional peers, to meet over a coffee or a meal and to see aspects of aviation operations in a different environment is always the best way to gain a deeper understanding of the many varied and fascinating aspects and practice of aerospace medicine.

I am also sure that many of you would like to take the opportunity to see more of the culture of this exciting and interesting country. A programme is being developed for accompanying persons although I am sure all will be interested in the country's fabulous Sheikh Zayed Grand Mosque, the Louvre Abu Dhabi, the Formula 1 circuit, the architectural heritage sites and, of course, serious retail therapy. The organisers are putting together opportunities to enable each of you to have a professional and culturally enriching time in Abu Dhabi in October 2023.

I look forward to meeting you there.

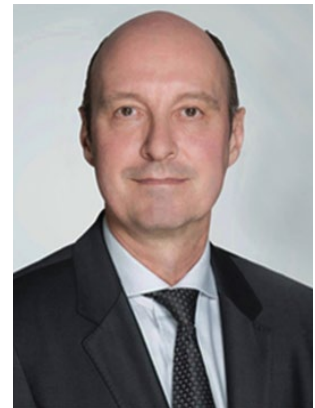
**Professor David Gradwell**

**BSc PhD MB ChB, FRCP FRCPE DAvMed FRAeS**

President, International Academy of Aviation & Space Medicine



## Organizing Committee President's Welcome Message



Dear Colleagues and Friends of Aviation and Space Medicine,

It is my great honor to welcome you in Abu Dhabi for the **69th Congress of the International Academy of Aviation and Space Medicine** which will take place from **26-29 October 2023**. Now that we are able to travel with less restrictions and greater ease, we are thrilled to have you join us for this exciting event which will bring together professionals from all over the world to share insights, knowledge and best practices in the field of aviation and space medicine. This will also be an unparalleled opportunity to connect or reconnect with colleagues and experts and enjoy meeting with real persons in real time rather than looking at computer screens.

Abu Dhabi is the capital and second-largest city of the United Arab Emirates (UAE) and is known for its rich history, cultural diversity and modern amenities. It is a modern hub for trade and tourism connecting the East to the West. It has beautiful beaches and a year-round warm climate which make it a popular destination for tourists. The rich cultural heritage is reflected in its museums, art galleries and landmarks such as the Sheikh Zayed Grand Mosque. The modern infrastructure and amenities include world-class hotels, restaurants and entertainment venues. Adrenaline junkies can ride the world's fastest rollercoaster and sports enthusiasts can cycle or run on the Formula 1 circuit. The national carrier Etihad Airways is offering flights to more than 120 destinations worldwide and we are proud to announce that they will not only sponsor this congress but will also offer discounted rates for all attendees, families and exhibitors.

The Organization and Scientific Committee is working hard to put together an exciting scientific and social program. We hope that you will take full advantage of all that this congress has to offer, and that you will leave with a renewed sense of purpose and passion for your work. On behalf of the 2023 ICASM Organization Committee members, I wish to welcome all attendees, their families, exhibitors, and sponsors to this interesting part of the world.

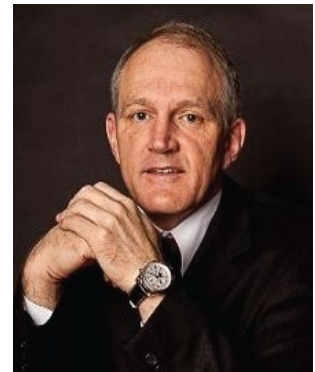
**Professor Erik Hohmann, MBChB, FRCS, (Tr&Orth), PhD, MD**

President of the Organizing Committee  
Board Certified in Orthopedic Surgery,  
Trauma Surgery, Sports Medicine,  
Consultant Orthopedic Surgeon, Sports Physician,  
Specialist Aeromedical Examiner  
Professor Medical School, University of Pretoria, South Africa

## Scientific Committee Head Welcome Message

Dear Colleagues,

On behalf of the Scientific Committee, I am delighted to welcome all of you to the **69th Abu Dhabi Congress of Aviation and Space Medicine, ICASM 2023**. To be held at Conrad at Etihad Towers, Abu Dhabi, UAE on **26-29 October 2023**.



This conference brings together leading experts in the field of aviation medicine and aerospace from around the world to share knowledge, discuss the latest research and developments, and explore new opportunities for collaboration.

We have an exciting lineup of keynote speakers and panel discussions, as well as a range of posters and presentations showcasing the cutting-edge work being done in this field. I encourage all of you to actively participate and engage with your fellow attendees, as it is through this exchange of ideas and dialogue that we can truly advance the field and drive innovation.

I hope that you will take full advantage of this opportunity to learn, network, and grow, and that you will leave this conference feeling inspired and energized to continue your important work.

Thank you for joining us, and I look forward to a productive and rewarding conference.

Sincerely,



**Reino Pieterse, MD**

Head of the Scientific Committee  
Senior MSK Doctor and Clinical Lead  
Emirates Group Rehabilitation Unit,  
Emirates Airlines, Dubai, UAE





# IAASM

## Who We Are?

Founded in 1955, the International Academy of Aviation and Space Medicine is a non-profit organization dedicated to the development and sustainability of the field of aviation and space medicine. This is achieved through international scientific collaboration among experts with a variety of educational and professional backgrounds that support our multidisciplinary nature and contribute to our valuable diversity.

Our Mission is “To provide international leadership and mentorship and to advance the knowledge and understanding of aviation and space medicine through worldwide initiatives in education, training, research and practice.”

[www.iaasm.org](http://www.iaasm.org)





## Organizing Committee



**Erik Hohmann, MBChB, FRCS, (Tr&Orth), PhD, MD**  
President of the Organizing Committee  
Board Certified in Orthopedic Surgery,  
Trauma Surgery, Sports Medicine,  
Consultant Orthopedic Surgeon, Sports Physician,  
Specialist Aeromedical Examiner  
Professor Medical School, University of Pretoria, South Africa



**Sally Evans, MBE, FRCP, FFOM, DAvMed, FRAeS**  
Secretary General  
International Academy of Aviation and Space Medicine  
London, UK



**Reino Pieterse, MD**  
Head of the Scientific Committee  
Senior MSK Doctor and Clinical Lead  
Emirates Group Rehabilitation Unit,  
Emirates Airlines, Dubai, UAE



**Zeeba Almarzooqi, MD**  
Senior Manager - Aeromedical Aviation Safety Affairs  
Licensing Aeromedical,  
General Civil Aviation Authority,  
Dubai, UAE



**Nadia Bastaki, MD**  
Chief HROD & Asset Management Officer,  
Etihad Airways Medical Centre,  
Abu Dhabi, UAE



## Scientific Committee



**Reino Pieterse, MD**  
Head of the Scientific Committee  
Senior MSK Doctor and Clinical Lead  
Emirates Group Rehabilitation Unit,  
Emirates Airlines, Dubai, UAE



**Jean De Wilde, MD**  
MSK Doctor, Rehabilitation Unit  
Emirates Group Medical Services  
Dubai, UAE



**Khalil Mohammad Khalil, MD**  
Head of Aviation Medicine Department  
Jordan Civil Aviation Regulatory Commission (CARC)  
Amman, Jordan



**Anirudh Agrawal, MD**  
Sharjah Airport Medical Centre  
Sharjah, UAE



**Punita Masrani, MD**  
Senior AME  
Aviation Medical Examiner  
India



**Ismahan Sabt, MD**  
Senior Specialist Aeromedical,  
General Civil Aviation Authority,  
Dubai, UAE



**Shahrukh Hashmi, MD, MPH**  
Chairman, SEHA Oncology Council;  
Chairman, Dept. Oncology/Hematology,  
Acting Dean of Research at SSMC  
Abu Dhabi, UAE



**Philip Strike, MB, BS, DipBA, FRCP, PhD**  
Consultant Interventional and General Cardiologist  
Adjunct Professor Mohammed Bin Rashid University  
School of Medicine, Specialist in Aviation Cardiology  
Mediclinic Parkview Hospital, Dubai, UAE



**Muntaser Husein, MD**  
Consultant Aerospace Medicine  
Director Health & Wellbeing Department (Acting)  
Senior GCAA, FAA and HIMS Examiner.  
Etihad Airways Medical Centre  
Abu Dhabi, UAE



**Souheil Gebeily, MD, CES, MBA, IP**  
Professor - Head of Neurology  
Bellevue University Medical Center  
Mansourieh El Metn, Lebanon



**Amira Nasir Al Ansari, MD**  
Senior Aeromedical Specialist,  
General Civil Aviation Authority,  
Dubai, UAE



**Pieter A. Smuts, MD**  
SAME, Emirates Airlines  
Dubai, UAE



## Congress Objectives

### The Congress will:

- Provide continuing education and scholarship opportunities to facilitate career development, operational effectiveness and the sustained implementation of the IAASM mission
- Deliver a professional research and education based scientific program, that addresses pertinent issues in aviation and space medicine.
- Provide international leadership and mentorship to advance the knowledge and understanding of aviation and space medicine.

### At the end of this congress participants will be able to:

- Review the latest advances and best practices of aviation and space medicine, through worldwide initiatives in education, training, research and practice.
- Support the development of scientific knowledge to promote and enhance health, safety and performance of those involved in aviation and space activities.
- Cultivate and expand relationships to improve global outreach and advocacy of the IAASM

## Congress Topic Areas

### Topic Subgroups

#### André Allard Lecture

#### Ernsting Panel [Ultra Long-Haul Flights]

#### Clinical Aviation Medicine

- Mental health / PSP - EPPSI
- Aeromedical screening
- Cardiovascular assessment
- Diabetes
- Sleep illnesses
- Visual assessment
- Medications
- Neurological and cognitive assessment
- Age-limit in pilots
- Drug and alcohol testing
- Occupational health

#### Human Performance

- Fatigue management
- Stress management
- Hypoxia and hypobaric exposure
- Accelerations
- Neck and back pain
- In-flight and simulator training

#### Travel and Air Transport Medicine

- Medical evacuation

#### Safety

- Aviation accidents
- High-performance aircraft ejections
- EASA-LAPL and Basic Med experience

#### Space Medicine

- Medical screening
- New technologies
- Mission to Mars or to the Moon
- Space research
- Emergency response preparation
- Inflight medical support
- Pediatric Case Discussion (4-5 cases)



## Why Attend?

**This conference will feature inspiring speakers, interactive sessions, and multiple opportunities to network and share lessons and success stories:**

- Gain a deeper understanding of the many varied and fascinating aspects and practice of aerospace medicine.
- Learn from thought leaders, experts and high-level professionals and top-notch speakers in the field.
- Network with doctors, nurses, scientist, decision-makers and industry peers to make progress in the specialty of aerospace medicine together.
- Get acquainted with new approaches, initiatives, challenges, technologies, innovative solutions to provide the best services.
- Get updated on best practices, innovations, and solutions that you can apply in your organization.

## Who Should Attend?

- All those involved in aerospace medicine
- Civilian and military specialists
- Airline Medical Doctors
- Nurses
- Repatriation and Occupational Health Specialists
- Scientists involved in Aerospace Medicine

## Continuing Medical Education (CME) Credits

It is anticipated that the Congress programme will be accredited for CPD/CME Hours by both the European Council of Continuing Medical Education and the International Academy of Aviation and Space Medicine

## Important Dates

### REGISTRATION

- Abstract submission opens on February 15, 2023
- Early Bird Registration: \$500 / 1,840 AED (From January 18 until August 15, 2023)
- Standard Registration: \$575 / 2,116 AED (Until October 25, 2023)
- Academician's Dinner Registration: \$90 / 331 AED - Reserved for Academicians (Until Oct 8, 2023)
- Gala Dinner Registration: \$88 / 324 AED (Until October 8, 2023)

### CONFERENCE

- Welcome Reception - October 26, 2023 (Thursday)
- Academicians' Dinner - October 27, 2023 (Friday)
- Gala Dinner - October 28, 2023 (Saturday)

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## PLEASE FILL UP THE REGISTRATION FORM

### Personal Details

Full Name:

Job Title:

Place of Work:

City:

Mobile:

Tel (work):

Email:

Fax:

As per GCAA requirements, passport details are required from all presenters and attendees for educational visits.

### Registration Fees (Rates are in US dollars (\$) and include 5% VAT)

- |   |                   |
|---|-------------------|
| <input type="checkbox"/> EARLY BIRD REGISTRATION (until Aug 15, 2023)                         | \$500 / 1,840 AED |
| <input type="checkbox"/> STANDARD REGISTRATION (until Oct 25, 2023)                           | \$575 / 2,116 AED |
| <input type="checkbox"/> ONSITE REGISTRATION  | \$650 / 2,392 AED |
| <input type="checkbox"/> ACADEMICIAN'S DINNER (reserved for academicians) (Until Oct 8, 2023) | \$90 / 331 AED    |
| <input type="checkbox"/> GALA DINNER (payment until Oct 8, 2023)                              | \$88 / 324 AED    |

#### Registration fees include:

- Admission to all scientific sessions
- Conference material including final programme and abstracts of oral communications
- Admission to exhibition area during the 3 days of conferences
- Admission to Welcome Reception
- Coffee breaks and Lunch provided during the conference
- Certificate of attendance

A confirmation email will be sent upon receipt of your registration form. Please note that full payment must be received prior to the event. Payment can be made via Online / Credit card / Cheque/Bank drafts in AED. All payment should be in favour of Mena Conference

### Payments

Please choose one of the following modes of payment

- ☐ By Online ([www.menaconference.com](http://www.menaconference.com))
- ☐ By cheque payable to Middle East North Africa Conference Company
- ☐ By Credit card ☐ By Bank Transfer

#### BANK TRANSFER

Account Name	MIDDLE EAST NORTH AFRICA CONFERENCE
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Bank Account No.	90020200006131
Swift Code	BARBAEADADH
Iban No.	AE290110090020200006131

### Managing Office

شركة الشرق الأوسط وشمال افريقيا للمؤتمرات ذ.م.م.



Middle East North Africa Conference Company LLC

[www.menaconference.com](http://www.menaconference.com)

For registration and further information, please contact

Mr. Sahan

Phone: +971 2 4919888

Mob: +971 0565033781

Email: [sahan@menaconference.com](mailto:sahan@menaconference.com)

### Cancellation / Substitution Policy

If you are unable to attend, a substitute delegate will be very welcome in your place. If this is not suitable, a 20% administration fee will apply. Registrations cancelled less than two weeks before the event are non refundable.



Conrad at Etihad Towers  
Abu Dhabi, UAE

### Event Venue

The organizing committee reserve the right to make any modifications to the programme in occurrence of any unforeseen circumstances.



## About Abu Dhabi

Abu Dhabi is the largest emirate in the United Arab Emirates, occupying 84 per cent of the national landmass territory. It has 200 islands and a long coastline stretching 700km. Its total area is 67,340 sq. km. Abu Dhabi city in the emirate is the federal capital of the UAE.

### Population

According to Abu Dhabi Statistics Centre The estimated population of the emirate around mid-2016 was 2,908,173 (comprising 1,857,618 males and 1,050,555 females). 551,535 were UAE nationals and 2,356,638 were expatriates. The average annual population growth rate for the years from 2010 to 2016 was 5.6 per cent.

### Location and geography

The emirate of Abu Dhabi lies on the coast of the Arabian Gulf and is bordered by Sultanate of Oman to the east, the Kingdom of Saudi Arabia to the south and the west and the emirate of Dubai to the northeast. The three main regions of the emirate are:

- the city of Abu Dhabi
- Al Ain in the east
- Al Dhafrah (earlier known as Al Gharbia) in the west.

In the eastern region, to the south of Al Ain city is Jebel Hafeet - the emirate's highest peak (1,240 metres).

Al Dhafrah has seven main cities: Liwa, Madinat Zayed, Ghayathi, Ruwais, Mirfa, Sila and Delma Island.

The city of Abu Dhabi is connected to the mainland by four bridges: Maqta bridge, Mussafah bridge, Sheikh Zayed bridge and Sheikh Khalifa bridge.

### Economy

Over the recent decades, the emirate of Abu Dhabi has undergone a significant transformation in economic growth. Due to the vision of Abu Dhabi's leaders and the abundance of oil and natural gas reserves, the emirate has grown to become a dynamic hub and major competitor on the global stage. While recognising the success of the oil sector, Abu Dhabi is working hard to reduce its hydrocarbons reliance and broaden the emirate's economy. Investment in infrastructure, tourism, transport, health and education is continuing, in line with the government's 2030 economic plan.

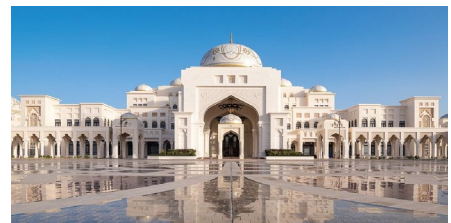
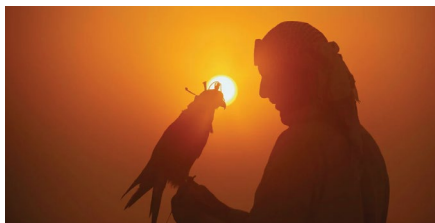
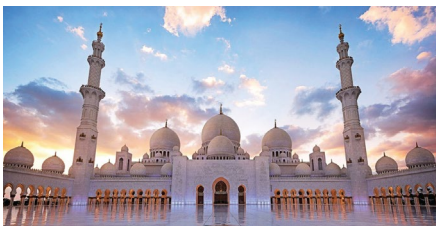
Tourism is playing an integral role in Abu Dhabi's economic development. Major investment in new luxury resorts and business hotels is underway. Abu Dhabi has many things to offer to its visitors and residents: a versatile landscape, thriving investment hub, and a friendly environment boasting one of the highest per capita incomes and one of the lowest crime rates in the world.

### Touristic importance

Abu Dhabi has become a centre for world-class sporting events such as: the Abu Dhabi Golf Championship, the prestigious Abu Dhabi Desert Challenge cross-country rally and the Formula One Abu Dhabi Grand Prix.

In addition, the city will soon house the world's largest concentration of premier cultural institutions which will include the Sheikh Zayed National Museum, the Guggenheim Abu Dhabi and Louvre Abu Dhabi.

Abu Dhabi is rich in natural wonders too. While the emirate's famous Liwa oasis in the south of the emirate is home to some of the largest and most beautiful sand dunes in the world, the garden city of Al Ain in the foothills of Jebel Hafeet is home to several heritage sites.





Supported by



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Managed by

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