

AIOH24



ANNUAL SCIENTIFIC CONFERENCE & EXHIBITION

Scientific
Storytelling.
What's your story...

REGISTRATIONS OPENING SOON!

Stay tuned to our [website](#) and follow AIOH
on [LinkedIn](#) for the latest updates and
announcements

Monday 2nd December - Wednesday 4th December, 2024

PERTH Convention And Exhibition Centre

Message from the Conference Chair 2024



Zach Bentley | Occupational Hygiene Specialist, Chevron

This year, we are embracing the theme of Scientific Storytelling, a concept at the heart of our profession as occupational hygienists, in the beautiful city of Perth, Western Australia. Our committee has embarked on a global quest to uncover some of the finest scientific storytellers from around the world, and we're incredibly excited to unveil a selection of these visionaries who will share their insights with us.

Scientific Storytelling is not just an art, but a fundamental aspect of our work that takes on many forms. Whether through academic journal publications, illustrative health risk profiles, or compelling business cases, we all regularly engage in scientific storytelling to protect worker health.

I consider myself fortunate to be part of this year's dedicated committee, comprised of motivated and energetic members from diverse professional backgrounds. Our discussions have been rich with experience and perspectives, united by a common goal: to deliver our members a world-class conference. Since February, our committee has had the privilege of collaborating with Kelly Phypers, the AIOH's latest addition. Kelly has swiftly become an invaluable contributor to our planning process, infusing it with her unique expertise and enthusiasm.

We are excited to share our ideas and initiatives with you and look forward to exchanging stories, experiences, and insights. The AIOH24 planning committee are looking forward to hosting you all for a conference that will leave us all enriched, connected, and better equipped to make a difference in the world of occupational hygiene.

Acknowledgements

AIOH gratefully acknowledges the generous assistance and support of the 2024 Conference Organising Committee.

Conference Chair: Zach Bentley, Occupational Hygiene Specialist, Chevron

Scientific Programme Chair: Dr David Lowry, Principal – Occupational Hygiene, Rio Tinto

Committee Members:

Marcus Cattani, Associate Professor & Deputy Director, Edith Cowan University MARS Centre

Lee Cherry, Occupational Hygienist & HSE Specialist, Chevron

Daniel Cronje, Senior Occupational Hygiene Advisor, Wesfarmers Chemicals, Energy & Fertilisers

Dean Crouch, Senior Radiation Specialist, Iluka Resources

Gillian Felton, Senior Occupational Hygienist, Shell

Tanja Koeberle-Troy, Regional Manager – Hygiene WA, RED OHMS Group

Dr Adélie Liebenberg, Course Coordinator: Postgraduate Courses in Occupational Hygiene Respirable Fit Test Training Manager, Edith Cowan University

Heather Little, Occupational Hygienist, BHP

Jacques Oosthuizen, Professor, Edith Cowan University

Ruairi Ward, Principal Hygienist, Director, RED OHMS Group.



Scientific Program Update

Dr David Lowry | Principal - Occupational Hygiene, Rio Tinto

The approach to building the scientific program for AIOH24 has been a little different to previous years. We were seeking abstracts and subsequent papers structured in the usual format – introduction, methods, results, discussion - however, for the stand-up presentation component of those papers, we were interested in how these submissions could be brought to life via storytelling.

We all have stories to tell. The question becomes how we as occupational hygienists can challenge ourselves to weave a narrative through our data or a piece of research, therefore making what we have to say more impactful to the frontline worker, policy maker, or person of influence. It seems a simple concept, but nailing this brief can be a challenging prospect.

Our excellent Scientific sub-committee has been overwhelmed with the number of high-quality submissions

received, with 100 abstracts submitted for consideration. The topics range from new and emerging areas – such as the use of machine learning AI (Artificial Intelligence), real time monitoring, and data modelling – through to the more ‘classical’ occupational hygiene focus areas, including noise, air contaminants, biological hazards, and radiation. The sub-committee has been particularly impressed with how these submissions have aligned with our conference theme of ‘Scientific Storytelling’.

In addition, a number of these submissions have opted to have their papers peer-reviewed for consideration to be published in a special edition of the Annals of Work Exposures and Health in 2025. With an Impact Factor of 2.6, the Annals is one of the premier scientific journals covering exposure science and occupational hygiene globally, and to have your work featured in this publication is certainly

a career highlight. We are proud to be collaborating with the Annals on this special feature, and we look forward to communicating the successful papers and authors once the review process has taken place.

Finally, we are pleased to announce our keynote and plenary speakers. We are excited to have such a diverse group of high-caliber presenters, and we know that our delegates will benefit from, and enjoy, the stories they will share with us.

As the members of the Scientific sub-committee settle into the task of wading through all the amazing submissions we have received, we would like to thank those that have submitted their work through to us – your contributions will be the cornerstone of AIOH24, and we look forward to hearing your stories.



Calling all debaters! We are excited to announce that this year at AIOH24, we will be holding a friendly debate focusing on a topical issue impacting our discipline (topic to be announced). As part of our conference theme, “Scientific Storytelling,” this event offers a unique opportunity to hone your skills and engage in spirited discussions. Why participate? This debate provides an excellent chance to demonstrate your “Scientific Storytelling” skills and put your critical thinking to the test.

To express your interest in participating as a debater, please email [AIOH24 Debate](#).

AIOH are Taking to The Skies!

EARLY BIRD COMPETITION

The first 100 early bird registrations will go in the draw for a chance to win a joy flight over beautiful Perth city. This unique experience will take place on **Saturday 30th November at 1:00pm** and will include a delightful spread of sparkling wine and a cheese platter upon arrival.

Please note the plane accommodates up to ten guests and the overall experience is 1.5 hours – further information will be provided closer to the date.

REGISTRATIONS OPENING SOON!

Keep an eye on our [website](#) for the latest updates and be the first to know when registrations open for our conference.

With thanks to our Early Bird Sponsor

Get ready to soar with AIOH!

We're thrilled to announce our partnership with Swan River Seaplanes as our Early Bird Sponsor.

As the AIOH24 planning committee, our enthusiasm for our hometown may be slightly biased, but unabashedly, we think that Perth is one of the most beautiful capital cities in the world. We acknowledge the whirlwind of activities that the AIOH conference week presents.

In light of this, we are excited to reveal our early bird sponsor, [Swan River Seaplanes](#) and our partnership that extends an exclusive proposition: discounted flight packages that guarantee an indelible aerial voyage over Perth's grand landscapes.

Conference attendees will have access to the special discount code **C24AIOH**, granting them reduced rates on all Swan River Seaplanes' services.

Our discount code will allow conference attendees to take to the sky and explore the beautiful surrounds of Perth, whether it's a tranquil excursion to the charming Rottnest Island, a discovery of our esteemed wine region, or an exhilarating joy flight above the CBD, our members are poised for an adventure second to none.



Meet some of our confirmed speakers!

Michael Easter



We are excited to introduce Michael Easter as this years keynote speaker for AIOH24. Michael is a New York Times bestselling author, journalist, and professor at the University of Nevada Las Vegas (UNLV). Michael has dedicated his career to exploring the globe for practical insights that help people live healthier, happier, and

more productive and remarkable lives. His research has taken him everywhere - from war zones to the Arctic to the most remote reaches of the Bolivian jungle.

Michael's work has been embraced by leading institutions, ranging from professional sports teams to the military to Fortune 500 companies. The tactics he uncovers have changed how organisations approach critical issues like physical and mental health, performance, innovation and success.

His books include The New York Times bestseller Scarcity Brain

and The Comfort Crisis, and Michael has a unique way of blending science and experiential encounters into compelling stories. He's appeared in many of the world's most influential media outlets, including Good Morning America, The New York Times, CBS Saturday Morning and twice on the largest podcast in the world, The Joe Rogan Experience.

At AIOH24, Michael will weave his unique experiences into a compelling talk that will provide us all with inspiration to navigate our own path to scientific storytelling. This session will certainly be a highlight of our conference.

Trish Kerin



Trish Kerin, a true expert in her field, and will be joining us at AIOH24 to share her insights. In addition to a plenary address, Trish will be hosting a half-day Continuing Education Session (CES). Trish stands out as an award-winning international expert in process safety leadership and is the inaugural director of the IChemE Safety Centre. Her leadership has been pivotal in guiding organisations globally to enhance their process safety outcomes.

Beyond her impressive role, Trish is an excellent communicator, well-versed in the art of scientific storytelling. Her ability to weave complex safety concepts into engaging narratives has made her a sought-after keynote speaker. A sample of some of her recent work can be listened to [here](#).

Trish's commitment to safety is reflected in her service on various government committees, her tenure on the board of NOPSEMA, and her current positions on the MKOPSC steering committee at Texas A&M University and as Chair of the WorkSafe Victoria Major Hazards Advisory Committee.

Her expertise is recognised through her status as a Chartered Engineer, a registered Professional Process Safety Engineer, and a Fellow of both IChemE and

Engineers Australia. She is also a Senior Member of AIChE, holds a Diploma in OHS, a Master of Leadership, and is a Graduate of the Australian Institute of Company Directors.

Trish's excellence in process safety has been honoured with the John A Brodie Medal, the Trevor Kletz Merit Award, and the Women in Safety Network's Leader of the Year. She has also been named one of the "Superstars of STEM" for 2023/24 by Science and Technology Australia.

The Erins



We are thrilled to announce that our list of plenary speakers will include the two brilliant minds behind the popular science podcast, "This Podcast Will Kill You" (TPWKY). The podcast is co-hosted by two distinguished scientists, Erin Welsh, Ph.D., and Erin Allmann Updyke, MD, Ph.D.

Dr. Erin Welsh is a disease ecologist and epidemiologist who has dedicated her career to science communication. Her work on TPWKY reflects her passion for making medical knowledge accessible to the public. Dr. Erin Allmann Updyke,

with her extensive background in epidemiology and disease ecology, is currently completing her medical residency program. She brings a wealth of knowledge and experience to the podcast. Since its inception in 2017, TPWKY has produced over 150 episodes, delving into various medical mysteries and diseases with a focus on scientific storytelling. The podcast has gained significant recognition, being featured in esteemed news outlets like The New York Times and USA Today. It was also nominated for a Webby Award in 2019 in the Science & Education Podcasts category.

In 2022, TPWKY's "Anatomy of a Pandemic" series, which provided in-depth coverage of COVID-19, was selected for inclusion in the David J. Spencer CDC Museum COVID-19 Web Collection, marking a significant achievement in public health education. The podcast enjoys a strong international listenership, with downloads in over 150 countries, and it

consistently ranks among Apple's top science podcasts. The art of scientific storytelling is a domain where TPWKY has truly excelled, the podcast has transformed the landscape of medical communication. Episodes such as 118 on Asbestos, 102 on Arsenic, 77: Legionnaires' Disease, 75 on Mercury, and 38 on Lead, have been particularly enlightening, resonating deeply with the focus of our work as occupational hygienists.

The Erins will be conducting a half-day Continuing Education Session (CES), providing a unique opportunity for members to explore effective scientific communication. Participants will engage in dynamic activities, including hands-on practice sessions, to refine their communication skills and build a network of peers passionate about science and education.

You can listen to these [episodes](#) and more, anywhere where you get your podcasts.

Peter Sandman



We are delighted to announce that Dr Peter Sandman, a retired risk communication expert will be a plenary speaker at this year's conference. Creator of the "Risk = Hazard + Outrage" formula for risk communication, Dr Sandman was one of the world's preeminent risk communication speakers and consultants. He is

best known for his unique and effective approach to calming unduly upset stakeholders in low-hazard, high-outrage risk controversies. But he also worked on how to convince apathetic people to take precautions (e.g. wear seatbelts) in high-hazard, low-outrage situations; and on how to guide appropriately upset people through high-hazard, high-outrage situations (e.g. pandemics). A Rutgers University professor from 1977 to 1995, Dr Sandman received his Ph.D. in Communication from Stanford University in 1971. He came out of near-retirement when COVID

struck in early 2020. Now he is nearly retired again, living aboard a world-traveling ship. His work lives on mostly through his former clients and through his website.

At AIOH24, Dr Sandman will be participating in a virtual Q&A session, and those in attendance will have the chance to ask questions in either a pre-submitted or live format. Don't miss this rare opportunity to learn from and interact with a master storyteller and a pioneer in the field of risk communication.

Keep an eye out on the AIOH [website](#) and [LinkedIn](#) over the coming months as we reveal the talented individuals who will be sharing their expertise and insights at this year's conference!

Sponsorship and Exhibition Opportunities

Interested in sponsoring at our conference? Keep an eye on our [website](#) and [LinkedIn](#) for the release of the sponsorship prospectus, along with details on how to book your exhibition booth.

For further inquiries, please email [Kelly Phypers](#), Senior Events Manager, AIOH.



Accommodation

Looking for accommodation in Perth or a city escape in the CBD? Check out the below hotels, where we've secured discount codes with for your convenience.

- > [Doubletree by Hilton Perth Waterfront](#)
- > [Parmelia Hilton Perth](#)
- > [Adina Apartment Hotel](#)
- > [Quay Perth](#). Enter dates 27th Nov - 6 Dec and apply discount code AIOHCON24



Optional Conference Activities

SWAN VALLEY - PINK BUS WINE TOURS

It's well known that our strongest memories are formed by association; so, it's little wonder that we have fond memories of spending time in good company enjoying good food and drink. Add a bright pink bus to the equation and it's no longer just a memory, it's unforgettable!

With The Swan Valley just 25 minutes from Perth city centre, an unforgettable day visiting award winning wineries couldn't be easier. Join us on Saturday, 30th November for a full-day adventure with your colleagues and peers as you indulge in exquisite wine tastings. Tickets for our Swan Valley wine tour can be purchased upon registration. More details coming soon!



PRESIDENTS CUP VIRTUAL GOLF DAY

Get ready for an exhilarating virtual golf tournament filled with fun and friendly competition! Challenge your skills against colleagues or peers on Sunday, December 1st, at X-Golf from 11:00 am to 3:00 pm.

Stay tuned for more details on how you can tee off and join in on this exciting event! Tickets can be purchased upon registration

FREMANTLE PRISON

Fremantle Prison is one of Western Australia's most fascinating and significant cultural attractions. The history of Fremantle Prison dates back to the early beginnings of Western Australia and its role in the development of this State is unparalleled. It is the largest convict built structure in Western Australia and the most intact convict establishment in the nation.

Multiple tour options available. Book your tour with Fremantle Prison and receive 15% discount on your ticket by using the code **AIOH24**.



**MARK YOUR CALENDARS
AND GET READY TO JOIN US
AT THIS YEAR'S CONFERENCE!**

For more information and updates, visit our [website](#) and follow AIOH on [LinkedIn](#).

We look forward to seeing you there!

CONFERENCE HOST

DESTINATION SPONSOR



**WESTERN
AUSTRALIA**

**BUSINESS
EVENTS
PERTH**