

ICMIAM2023

6–8 December 2023

International Conference on Maintenance and Intelligent Asset Management (ICMIAM2023)

The International Conference on Maintenance and Intelligent Asset Management (ICMIAM2023) will provide a platform for industry-leading speakers, academic experts, and professional body leaders to share their knowledge and expertise on a diverse range of topics. Details are available in www.icmiam.com.

Our speaking panel will consist of respected, senior representatives from within 'asset management and maintenance' industries, government entities, universities, TAFE, and professional bodies. There will be fantastic networking opportunities.

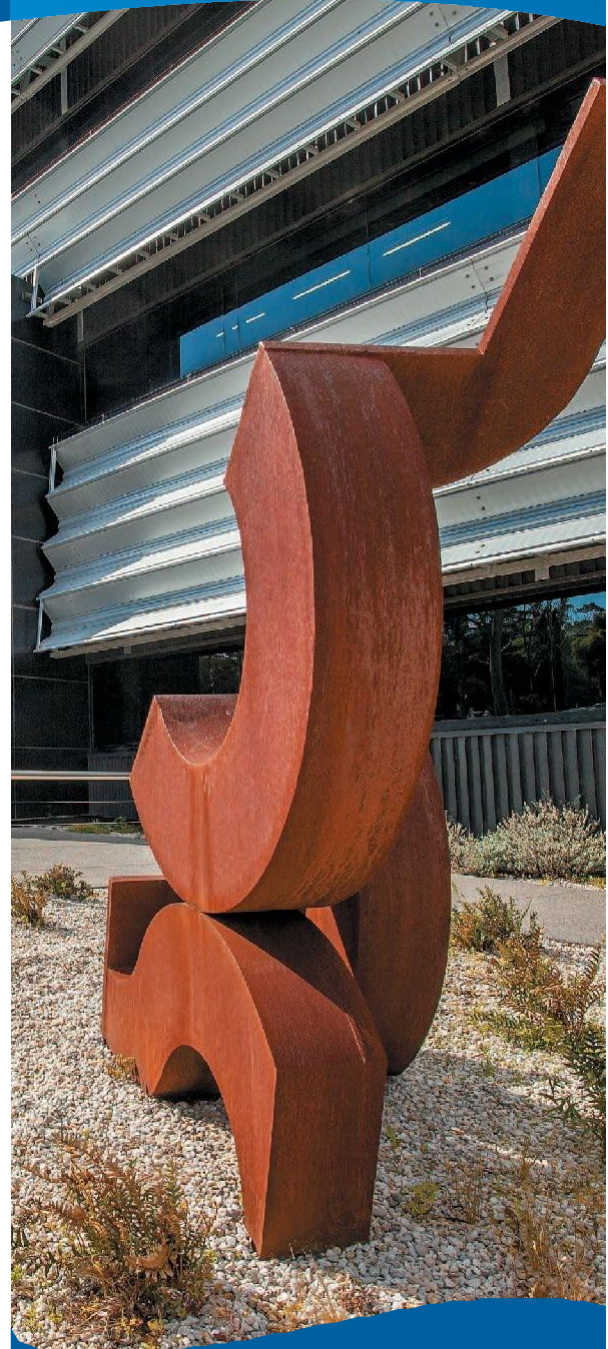
Speakers will address topics such as: standards, risk management as the basis of an asset management plan, whole-life-approach investment decisions, failure modes, existing and emerging technologies, and extending an asset's lifecycle.

The conference will highlight the practices and research outcomes to improve asset management through systems, standards, and technologies or balancing costs, risk and performance, and will feature workshops on rural assets and renewable energy assets.

The purpose of ICMIAM2023

Advancements through research and innovations in the spheres of Maintenance and Reliability Engineering and Asset Management which will contribute to the sustained industrial and economic growth of our countries by reducing costs and risks and enhancing performances of plants and infrastructure, natural and human assets for making the world a better place to live. This includes:

- Making people aware of the possibilities in Maintenance, Reliability and Asset Management.
- Showcasing best practice and achievements in this field along with high quality applications in industry.
- Fostering networking across disciplines.
- Identifying future needs for professional development and opportunities for research.
- Establishing platform for Universities, TAFE, Industries and professional bodies for collaborations.



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Themes

Track 1 Asset Management (AM) and Systems (AMS)

Asset management (AM), ISO55000 and related standards, ISO 55001 certification and beyond, Critical assets, e.g., water, power, smart grids, Energy management, Energy asset management, Intelligent traffic system, Self-driving cars, Water asset management, Water audit and analysis, Rural asset management, Regulations and compliance, Environment, Internet of Things (IoT), Industry 4.0 in AM, Analytics and applications in AM, Risk management, Cyber-Physical Systems, Process modelling, Digital twins, Uncertainty in simulations, Energy systems simulations, Data assimilation, Machine learning in asset management, Asset Management for Oil and Gas industry, Built environment asset management, Smart systems' management, Low cost sensing for asset management, Indoor air quality management, Biological smartness in infrastructure systems.

Track 2 Reliability, Availability and Maintainability (RAM) and Maintenance Management (MM)

New advancements in reliability, Maintenance engineering, Preventive and predictive maintenance, Lifecycle cost analysis, Remaining useful Life analysis, Tribology, Artificial Intelligence (AI) and IoT in RAM, Condition Monitoring (CM) and fault diagnostics, Condition Based Maintenance (CBM) and Efficiency, RAM in Industry 4.0, Resilience, Software reliability, Rail track maintenance, Rolling stock maintenance, Rural Asset Management, Reliability and resilience, Risk and performance assessment, Risk based maintenance.

Track 3 Safety Engineering and Analytics (SEA), Security, Risk Management and Human Factors (SRM-HF)

Safety analytics, Occupational health, Integrated safety management systems, Prevention through design (PTD), Probabilistic risk assessment & uncertainty analysis, Human factors & cognitive ergonomics, Human error & behaviour, Building & infrastructure safety, Process safety, Workplace safety, Safety Economics, Application of Virtual Reality, IoT, AI, ML and other Industry 4.0 technologies in safety, Digital asset management, Asset integrity, Cyber security challenges and risk management, Cyber-vulnerabilities, Cyber-security of CPS, Industrial IoT & data analytics framework and maturity models for cyber risk management, AI and ML applications in cyber safety & security, Smart transportation and logistics, Rural Asset Management, Cyber supply chain risk management (CSRM).

Track 4 Asset Management for Rural and Regional Industries and Infrastructure

Issues and challenges in rural and regional communities, how to reduce costs and risks and enhance performance within the constraints of limited resources, dispersed populations, and varying environmental conditions.



Venue

Seminar theatre in the Brewery Complex and Technical Parallel
Sessions in Building A, SMB campus Federation University, Ballarat.

[Visit SMB campus](#)



Wednesday 6th and Thursday 7th December 2023 8:30 am to 5:30pm

Friday 8th December 8:30am to 5:30pm

Technical Tour | Friday 8th December 2023 1:30pm-5pm

ICMIAM Panel Discussion: Asset Management for Sustainable Local Development

ICMIAM Gippsland Workshop: Hydrogen RT&D and Asset Management in Gippsland 11th December 2023

Virtual

Online platforms and links will be provided to registered delegates for online sessions.



Professor Raghuvir Pai
Professor, Manipal Institute of
Technology
Manipal Academy of Higher Education
(MAHE), India



Professor Alok Verma
Powell Chair Professor & Department
Head
Texas A&M University at Galveston,
U.S.A.



Dr Gopinath Chattopadhyay
Post Graduate Program Coordinator
Maintenance and Reliability Engineering
Programs
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Ms Sarah Hannah
General Manager Operations, Windlab
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Dr Glenn Schumacher
Head of Engineering
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Mr. Toby Horstead
National Chair
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Rev. Swami Suhitananda
Vice President Ramakrishna Mission
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Professor Syed Islam
ADVC Research and Innovation
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Professor Joarder Kamruzzaman
Director, Centre for Smart Analytics,
Federation University, Australia



Professor Rakesh Mishra
Energy, Emissions and the Environment
Research Group Leader, University of
Huddersfield, U.K.



Professor Iven Mareels
Executive Dean, Institute of Innovation,
Science and Sustainability, Federation
University, Australia



Professor Harekrishna Misra
Professor, IT and Systems Group,
Institute of Rural Management Anand
(IRMA), India



Prof. Uday Kumar
Chair Professor
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Luleå University of Technology (LTU),
Sweden



Prof. Ramin Karim
Professor of Industrial AI & eMaintenance
Division of Operation and Maintenance
Engineering
Luleå University of Technology (LTU),
Sweden



Prof. Jan Harm Christiaan Pretorius
Professor
University of Johannesburg, South Africa



Dr. Kin Yu LAM
SEAP Regional Application Engg. Leader
Cargill, Australia

How to get your ticket?**Register online:**

www.eventbrite.com.au/e/int-conference-on-maintenance-and-intelligent-asset-management-icmiam2023-tickets-646716726137

CONFERENCE FEES

Early Bird Delegate	AUD\$660 (GST inclusive)
Early Bird Committee member	AUD\$550 (GST inclusive)
Early Bird Student	AUD\$550 (GST inclusive)
Delegate	AUD\$715 (GST inclusive)
Committee Member	AUD\$605 (GST inclusive)
Student	AUD\$605 (GST inclusive)

Online attendance and/or presentation will receive \$50 discount from the listed registration fees.

Technical Tour Including bus fare, entry tickets and packed lunch	AUD\$77 (GST inclusive) per person
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For payment and registration queries send emails to g.chattopadhyay@federation.edu.au and cc to admin.csa@federation.edu.au

For any general queries**Dr. Gopi Chattopadhyay**

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Organised by

The Centre for Smart Analytics, Federation University, Australia

Institute of Innovation, Science and Sustainability (IISS), Federation University

in collaboration with

- The Asset Management Council Australia (AMC)
- Manipal Academy of Higher Education, India
- Indian Institute of Technology, Patna, India
- Institute of Rural Management, Anand (IRMA), India

**Sponsors**

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**Technical sponsor**

IEEE Victorian Section (Australia), affiliate of the IEEE International, LLC ('IEEE')



IEEE Victorian Section

Peer-reviewed, accepted, registered, and presented papers will be published in IEEE Xplore.

Selected papers shall be considered for publication in:

- International Journal of System Assurance Engineering and Management (IJSAEM), Springer.
- The Asset Journal of Asset Management Council, Australia.
- Int. Journal of Life Cycle Reliability and Safety Engineering.

Sponsorship opportunity

- If you are interested in exhibiting, giving a presentation, or making a speech please contact us via email g.chattopadhyay@federation.edu.au or phone +61402467737

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