



International Conference on Maintenance and Intelligent Asset Management (ICMIAM 2021)

ORGANIZED BY

- ★ Federation University Australia
- ★ Centre of Excellence in Safety Engineering and Analytics (CoE-SEA), Indian Institute of Technology Kharagpur, India
- ★ Asset Management Council, Australia
- ★ Manipal Academy of Higher Education, India

12 - 15 December 2021

Venue - Mt Helen Conference Centre, Federation University Ballarat Victoria, Australia

Supported by:



Overview

This conference brings together the recent developments and practices of asset management in organizations. The assets include both tangible and intangible elements, such as physical infrastructure, human systems, machinery, finance, information and intellectual property. Effective maintenance of health of these assets is essential to improve performance and productivity of an organization. This requires the study of reliability, maintainability, availability, system safety, security and human-machine interfacing. This conference aims to make people aware of the current state-of-the-art technologies and practices under three major tracks: i) Asset Management (AM) and Systems (AMS), ii) Reliability, Availability and Maintainability (RAM) and Maintenance Management (MM) and iii) Safety Engineering and Analytics (SEA), Security, Risk Management and Human Factors (SRHF). All submissions are subjected to rigorous review before an acceptance decision is made. Industry and practitioner sessions are subjected to rigorous review of extended abstracts. Peer reviewed research and technical papers accepted and presented in conference will be published in proceedings. Very high-quality papers will be recommended for special edition of international journals and published after review.

Who will Attend?

The speakers will consist of respected, senior representatives from industry, academia and professional bodies. The audience will get opportunities to interact with many of their peers and key personnel in the three tracks mentioned above.

Conference Website: www.icmiam.com **Email:** icmiam2021@gmail.com

Abstract by Email and Submission Link: <https://easychair.org/cfp/ICMIAM2021>

Important Dates

10 th September 2021	Abstract submissions deadline
20 th September 2021	Notification of abstract acceptance
15 th September 2021	Paper submission deadline
30 th October 2021	Notification of paper acceptance
12 – 15 th December 2021	Conference dates

Topics

Track 1: Asset Management (AM) & 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 & Maintainability (RAM) & 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 & Analytics, Security, Risk Management & Human Factors

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 (CSRSM).

For any General queries:

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