



# 17<sup>th</sup> WCEAM

The World Congress on  
Engineering Asset Management

18 - 20 October, 2023

*Sheraton Saigon Hotel and Towers  
Ho Chi Minh City, Vietnam*



More information:  
[2023.wceam.com](https://2023.wceam.com)





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# Congress Theme

**Sustainable Management of Engineered  
Assets in a Post-Covid World: Industry 4.0,  
Digital Transformation, Society 5.0 and beyond**

**Ho Chi Minh City, 18-20 Oct 2023**

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# Collaborating Institutions

- ISEAM
- Asset Institute
- RMIT University – Host institution



## Partners

- Tigernix, Singapore
- CAMS, Melbourne





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# VENUE

**Sheraton Saigon Hotel and Towers  
Ho Chi Minh City  
VIETNAM**



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# About the Host

Globally, RMIT ranks among the world's top 100 universities for civil and structural engineering and is in the top 150 in mechanical, aerospace, and manufacturing engineering, engineering and technology, and electrical and electronic engineering. In Vietnam, RMIT established its first campus in Ho Chi Minh City over 23 years ago. To date, with campuses in Ho Chi Minh City, Ha Noi, and Danang, offering courses across the fields of STEM, to Business and Management, to Communication and Design, RMIT is now proud to be a trusted part of Vietnam's society, creating benefit for people of all backgrounds, government, and industry.



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## 17th WCEAM OBJECTIVES

The objectives of the World Congress on Engineering Asset Management, especially those focused on Industry 4.0, and Digital Transformation, align closely with RMIT's latest strategy, namely Knowledge with Action. With this strategy, RMIT aims to lead in four key areas including

- Emerging technologies
- Smart and sustainable cities
- Social innovation
- and regional collaboration.



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# International Steering Committee

Prof Joe Amadi-Echendu (South Africa)

Prof Adolfo Crespo Márquez (Spain)

Prof Belle Upadhyaya (USA)

Prof Pedro Moreu de León (Spain)

Dr Minh Dinh (Vietnam)

Prof Sujeeva Setunge (Australia)

Prof Robert McClelland (UK)

Prof George Abdul-Nour (Canada)

Prof Nalinaksh Vyas (India)

Brian Lawrence (Philippines)

Dr Ype Wijnia (Netherlands)

Prof Joe Mathew (Australia)



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# Local Organising Committee

Associate Professor Minh Dinh, RMIT Vietnam

Ms Hoa Do, RMIT Vietnam

Mr Thanh Pham, RMIT Vietnam

Ms Anna Felipe, RMIT Vietnam

Ms Ai Ngo, RMIT Vietnam

Dr Alexandru Fechete, RMIT Vietnam

Mr Thien Huynh, RMIT Vietnam

Mr Tai Vo, RMIT Vietnam





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## CHAIRS

Professor Joe Amadi-Echendu, WCEAM General Chair & Chair of ISEAM, University of Pretoria, South Africa

Professor Ray Kirby, Chair of 17th WCEAM, RMIT University, Australia

Professor Joe Mathew, Co-chair of 17th WCEAM, CEO Asset Institute



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# Technical Review Panel

- FISEAMs
- MISEAMs

## 17th WCEAM Proceedings Editors

- Prof George Abdul-Nour FISEAM
- Dr Minh Dinh MISEAM
- Prof Turuna Seecharan MISEAM
- Prof Adolfo Crespo FISEAM
- Prof Joe Amadi-Echendu FISEAM
- Prof Joe Mathew FISEAM



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## Plenary Speakers

- Opening Address by Mr. Donald McDonald, Director, McDonald Lucas Pty Ltd
- Keynote 1: *“Smart, Interoperable, and Resilient Critical Infrastructure”*, Alan T. Johnston, MIMOSA, USA
- Keynote 2: *“Digital twins for sustainable management of Civil Infrastructure Assets”*, Prof. Sujeeva Setunge, RMIT University, Australia
- Gala Dinner Speaker: *“Transforming Healthcare - a Queensland Hospital Journey”*, Michael Campbell, Queensland Children’s Hospital, Australia
- Keynote 3: *“How to Manage Your Greatest Asset to Ascend to the Highest Altitudes of Success”*, Dr. Kofi Smith, formerly CEO of Atlanta Airlines Terminal Company, USA; currently CEO Keystone Management, Atlanta Georgia USA



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# Paper Awards

Best Paper Award to Jorge Prozzi for the paper *"Managing Highway Payment Skid Saves Lives"*

1st Runner Up Award to Nalinaksh Vyas for the paper *"IndusTANTRA: An Indigenous, Modular, Scalable Platform for Industry 4.0 Implementation"*

2nd Runner Up Award to Anthony Ziem, Sujeeva Setunge, Kevin Zhang, Quddus Tushar for the paper *"Explore an optimized trade-off for retrofitting measures in office buildings"*



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# Recognition Awards

## ISEAM Achievement Award

Denis Brunetti, President of Ericsson Vietnam & Myanmar

## ISEAM Lifetime Achievement Award

Joe Amadi-Echendu, Emeritus Professor University of Pretoria