

**1<sup>st</sup> WCEAMOnline**

**19 August 2020**

**Via Zoom**

**8:00 – 11:00 PM, Brisbane, Australia time**

**(1000 – 1300 hrs GMT)**

**Theme: WCEAM during Covid-19**

It is acknowledged that the incidence and spread of coronavirus together with Covid-19 pandemic are introducing unprecedented changes to society and imposing unanticipated stressors on systems that serve humanity. The ramifications of coronavirus and COVID-19 on infrastructure systems that underpin governance, commerce and industry remain unprecedented.

- ❖ As pundits postulate a new world post coronavirus and Covid-19, ISEAM has taken the opportunity to commence an online version of its flagship World Congress on Engineering Asset Management.

**Organisation:**

- The 1<sup>st</sup> WCEAMOnline will take place on 19<sup>th</sup> August 2020. The duration of the event will be 3 hours starting at 8pm Brisbane time.
- ISEAM Board has approved that registration shall be free for all fellows, members and guests.
- All fellows and members are invited to register and attend the event.
- A certificate of attendance will be issued to financial fellows and members that duly registered and participated in the 1<sup>st</sup> WCEAMOnline. Where necessary, the certificate can be used to claim continuing professional development credits.
- A full recording of the event will be made available to duly registered participants.

**Publication:** The presentations will be combined with 2019 WCRRAM asset management track papers and published as 14<sup>th</sup> WCEAM Proceedings 2019 & 2020 by Springer.

**Registration:**

To ensure that your data is correctly stated in the attendance certificate, please register by sending an email indicating your title, name/surname plus post-nominals, and affiliation to Betty Goh at [Betty.Goh@assetinstitute.com](mailto:Betty.Goh@assetinstitute.com) with a copy to Joe Mathew at [j.mathew@assetinstitute.com](mailto:j.mathew@assetinstitute.com) by **COB Friday 14 August 2020 Brisbane time**. Zoom meeting details will be sent out by Joe on 17 June 2020.

**Programme:** The event will feature the following presentations and panel session.

**Presentation 1: *Engineering Asset Management at Times of Major, Large-Scale Instabilities and Disruptions***  
Moderator: David Baglee (30 mins)



Dragan Komljenovic  
(FISEAM)

Dragan Komljenovic received his BSc at the University of Tuzla, his MSc at the University of Belgrade, his 1<sup>st</sup> PhD at Laval University (Quebec-City, Canada) in Mining Engineering (mathematical modeling of mining processes) and 2<sup>nd</sup> PhD at the University of Quebec in Trois-Rivieres (UQTR), Canada in Industrial Engineering in the field of Asset Management. He works as a Senior Research Scientist at the Hydro-Quebec's Research Institute (IREQ) in the field of reliability, asset management, risk analysis and maintenance optimization. Dragan worked almost 12 years as a Reliability and Nuclear Safety Engineer at the Gentilly-2 Nuclear Power Plant, Hydro-Quebec. He collaborates with several universities in Canada and abroad. Dragan has published more than 80 refereed journal and conference papers. He is a Fellow of ISEAM, and Vice-President of the Montreal Chapter of Society of Reliability Engineers (SRE).

**Presentation 2: *Case Study – Asset flexibility is key to sustaining CS Energy's thermal plant***

Moderator: Belle Upadhyaya (30 mins)

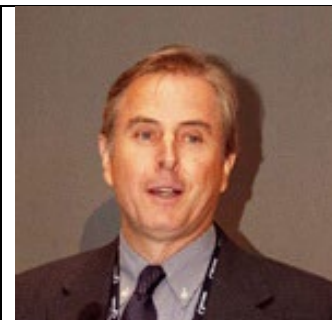


Brian Lawrence  
(FISEAM)

Brian Lawrence has more than 35 years' experience working in the energy industry. Brian is currently Head of Optimisation at CS Energy, where he oversees asset performance for more than 2,300 MW of thermal generation across sites in Queensland. In this role he supports the sites by providing guidance and advice to operate the assets safely and cost effectively while sustaining life expectancy. Brian has worked throughout Australia and overseas as an Expat in senior management positions within thermal, gas, hydro and renewable energy power stations. Brian is a chartered professional engineer (CPEng), a Fellow of the Institution of Engineers Australia, Member of the Asset Management Council of Australia and the Australian Institute of Company Directors, Industry Director of Asset Institute, and Fellow of ISEAM.

**Presentation 3: *Case Study – Strategies for COVID-19 Pandemic Recovery: Application of Engineering Asset Management Principles***

Moderator: Ype Wijnia (30 mins)




Adolfo Crespo Márquez  
(FISEAM)

Adolfo Crespo Márquez is currently Full Professor at the School of Engineering of the University of Seville, and recently Head of the Department of Industrial Management. He holds a Ph.D. with Honors in Industrial Engineering from this same University. Prof. Crespo is the author of nine books and many research publications in journals conference proceedings. Adolfo is a Fellow of ISEAM and leads the Spanish Research Network on Asset management and has extensive experience from many engineering and consulting projects for many public and private sector companies.


## Panel Session


### Engineering Asset Management Academic Programmes

(90 mins)

 <p><b>Nuno Marques De Almeida</b> (MISEAM) <b>Panel Moderator</b></p>	<p>Nuno Almeida is an Assistant Professor in the Department of Civil Engineering, Architecture and Georesources (IST – University of Lisbon). With a professional background in construction project management, his academic and research activities seek to advance the discipline of asset management and enhance its application to infrastructure, building and advanced facilities of both the public and private sectors. Nuno has published more than 70 refereed journal and conference papers and has advised interdisciplinary research and consultancy projects in cooperation with practitioners from the construction, water, rail and road sectors to optimize cost, risk and performance of physical assets. He is a Member of ISEAM and a delegate of the ISO/TC251 Asset Management committee.</p>
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## Panelists

 <p><b>Joe Amadi-Echendu</b> (FISEAM)</p>	<p>Joe Amadi-Echendu is a Professor of Engineering and Technology Management at the Graduate School of Technology Management, University of Pretoria, South Africa. He earned BS and MS degrees in Electrical and Electronic Engineering from University of Wyoming, USA, and DPhil in Control Engineering from University of Sussex, UK. Joe is a registered engineering professional in both UK and South Africa and has more than 38 years of work experience in industry and academia. Joe is a founding Fellow and current Chair of ISEAM. He is also a board member and treasurer of IAMOT.</p>
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 <p><b>Iain Cranston</b> (CNAM)</p>	<p>Iain Cranston has worked with public and private sector clients in the UK and North America over the last 12 years and he now runs an independent consulting firm icInfrastructure. Iain has helped organizations through the various pillars of Infrastructure Asset Management, from AM Training and Gap Assessments, gaining Leadership support and developing AM Policy to building Customer Level of Service Frameworks and supporting Public Consultation. Iain also launched and was Program Manager for the CH2M / Jacobs' Asset Management Training and Certification program. Iain has been Program Manager for a number of Canadian Network of Asset Managers' (CNAM) projects, namely the Asset Management Competency Framework for Canadian Communities. He is a member of the Canadian mirror committee to ISO/TC 251 on Asset Management.</p>
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Georges Abdul-Nour  
(FISEAM)

Professor at the department of Industrial Engineering, University of Québec at Trois-Rivières, Canada. Dr Georges Abdul-Nour received his Bachelors and Master degrees in IE from the University of Moncton, NB, Canada. He completed his Ph.D. in the same field, at the Texas Tech University, Lubbock Texas, U.S.A. Dr Abdul-Nour authored and co-authored nine books and book chapters, and more than 350-refereed papers in international Journal, conferences proceeding, communications and technical reports. He has conducted research projects in private companies, in such field of Six-Sigma, Intelligent manufacturing, Lean manufacturing, and Asset management. He holds the NSERG-HQ Asset Management research Chair. He is an elected member of the Academy of Industrial Engineering of Texas Tech, member of the Editorial Board of IJPR, and Fellow of ISEAM.



Arnold Yuan

Arnold Yuan is currently an Associate Professor of the Department of Civil Engineering, Ryerson University. A structural engineer by training, Dr. Yuan has been focusing on engineering risk and reliability, system safety, infrastructure asset management, and construction management. He has studied many different engineering systems including building structures, bridges, highway pavements, nuclear power plants, water mains and sewers, and recently integrated urban infrastructure systems. Dr. Yuan served as the founding Director of Ryerson Institute for Infrastructure Innovation from 2014 to 2019



Steve Pudney  
(FISEAM)

Steve Pudney is a Senior Lecturer at the Southern Cross University with expertise in mechanical engineering, asset management, program and project management, managing technology projects, new product development and decision science. His project and program management professional background includes plant upgrades for clients such as BHP Billiton, Anglo American Platinum and Freeport McMoran. He has also managed new product development projects for Xstrata Technology and has provided consulting services into technology startups including an innovative carbon neutral cement manufacturing process. He is a Member of ISEAM with research interests in asset management strategy, policy and decision making, critical infrastructure and disruptive technology management.



David Mills  
(FISEAM)

David Mills is currently a Senior Lecturer at the Southern Cross University. He earned his PhD from QUT with a thesis on the effectiveness of models of privatised urban water systems, his MS degree in Public Administration from Griffiths and his BS in Arts from UQ. He chaired the Advisory Board of the School of Management at QUT and held positions as General Manager for Corporate Services at the Queensland Audit Office, Executive Director for Organisational and Client Services for the Public Trustee, Director of Planning & Human Resources at the Dept. of Public Works and as Industrial Relations Manager at Queensland Rail. He is a member of ISEAM with research interests in the human aspects of asset management, namely with regard to decision-making, processes and culture of organizations and the skills for asset management leadership.