

IAMFA 2020

19–21 OCTOBER (EST)

Conference Program



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Visit the IAMFA 2020 Conference website to attend the conference live and to access recordings of the conference after the event

www.iamfa.org/2020-conference

MESSAGE FROM THE IAMFA PRESIDENT VIRTUAL CONFERENCE 2020

Welcome to the 30th IAMFA Anniversary celebration and Virtual Conference, an event like no other in our history due to the Covid-19 pandemic. We had all expected an in-person conference in Melbourne/Hobart Australia this year, and fortunately we had host organizations willing to organize a second full virtual conference. We will virtually see how culturally rich this area of the world truly is and hopefully one day soon, when it is safe to travel again, we will still get to visit in person and tour these fabulous museums.

This is the first time our member organizations have hosted an IAMFA conference in Australia, and we are in for a treat. All of the same cultural organizations that we would have toured in person are providing sessions during the conference so that everyone can see a taste of the professional facilities work occurring in Australia. Themes such as sustainability, master-planning, and modern technology will be highlighted in this virtual format so that we can continue to grow forward even during this pandemic. We must continue to learn and grow so that we are ready with new ideas when we return to the workplace with full visitation.

The entire Board of IAMFA is so thankful to our Australian hosts who simply said the show must go on and have created an incredible virtual conference! We thank all seven Australian museums and libraries who are a part of this program for their willingness to move forward with a virtual format. We will meet these members and museum professionals during these presentations and tour their museums and projects utilizing video and power point presentations. This is different than what we are used to, but what isn't different this year? We have reinvented ourselves in so many important ways to keep everyone safe and to get our facilities reopened.

We are thankful to all of our sponsors for their generosity and support which has allowed us to offer this conference free of charge this year for members. Even during such difficult times as these, our sponsors have been there in support of all of our organizations. It has been a pleasure to work with each and every company, and we hope our members will continue to support these sponsors in the years to come.

We will never be able to properly thank Lucy Hastewell and Steve Devereaux and their entire team. They had fully planned their in-person conference, every detail figured out and arranged for us to enjoy. In April, they came together and began work on a virtual conference in response to the global pandemic that has impacted all our organisations. Their strength and resilience are evidence of our facility's professional fortitude.

Because of their hard work we will all be virtually together to learn and celebrate and we will even get to meet up virtually during a cocktail hour at the end to properly celebrate our 30-year history and toast the next 30 years! We have to remain positive, and work hard to secure our cultural institution's future. The excellence within our Association for these past 30 years till today, gives us the confidence needed to survive and thrive. We look forward to when we will be together again in person, but this virtual conference is the next best thing. The show must go on!

Nancy Bechtol
IAMFA President

SPONSOR THANK YOU

The IAMFA 2020 Virtual Conference has been made possible with the generous support of our IAMFA Founding Corporate Sponsors,



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HOSTS' WELCOME

On behalf of the 2020 Conference Committee I'd like to welcome you all to the inaugural IAMFA Virtual Conference - what better way to celebrate 30 years of IAMFA support for the museum facilities sector!

National Gallery of Victoria, Arts Centre Melbourne, Museums Victoria, Museum of Old and New Art and Port Arthur Historic Site had looked forward to jointly hosting the in-person conference in Melbourne and Hobart, Australia. Following the cancellation of the in-person conference due to the COVID-19 pandemic, your hosts have been working to bring the conference to you virtually. We look forward to sharing a series of Australian focused presentations as part of IAMFA's first ever virtual conference.

The conference program is packed full of informative, educational and entertaining content, and I encourage you to also make good use of the recorded version to experience all that the conference has to offer.

I'd like to take the opportunity to thank my fellow IAMFA members and organising team – Dean Leggett, Mark Baldwin, Steve Devereaux and Madeline Ferme – and Shaun Woodhouse who spurred us on from the beginning.

Enjoy!

Lucy Hastewell
Conference Host
IAMFA Australia/NZ Chapter Chair

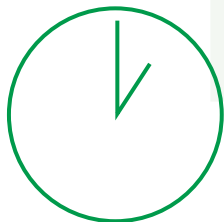




SCHEDULE

CONFERENCE SCHEDULE – DAY 1

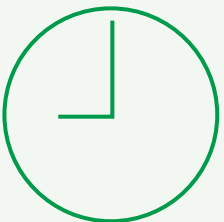
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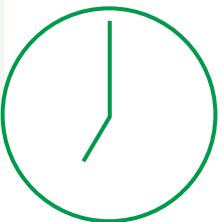
San Francisco 1pm
Monday 19 October



New York 4pm
Monday 19 October



London 9pm
Monday 19 October



Melbourne 7am
Tuesday 20 October

Start Time (EST)	Duration	DAY 1: Monday 19 October 2020 4pm–7.30pm
Conference Program		
16:00	10 mins	PRESIDENT’S WELCOME Nancy Bechtol, IAMFA President
		WELCOME TO MELBOURNE
16:10	40 mins	FACILITATING CONTEMPORARY ART IN A HERITAGE BUILDING Tony Ellwood AM, Lucy Hastewell, Tony Henshaw & MaryJo Lelyveld, National Gallery of Victoria <i>Presentation and Q&A</i>
16:50	40 mins	REDUCING ENERGY COSTS AND EMISSIONS THROUGH ENERGY PERFORMANCE CONTRACTING Dean Leggett, Museums Victoria & Brian Wade-French, Siemens <i>Presentation and Q&A</i>
17:30	40 mins	MASTERPLANNING: A ROADMAP – TRANSFORMING MELBOURNE’S ARTS PRECINCT Mark Baldwin, Chris King, Arts Centre Melbourne and Chris Arkins, Jonny Perks & Emrah Baki Ulas, Steensen Varming <i>Presentation and Q&A</i>
18:10	30 mins	AUSTRALIAN MEMBER SHOWCASE: EXPANSION AND TRANSFORMATION OF THE ART GALLERY OF NSW Dr Michael Brand, Sally Webster & Paul Collis, Art Gallery New South Wales
18:40	30 mins	AUSTRALIAN MEMBER SHOWCASE: PRESERVING A WORLD HERITAGE ICON USING MODERN TECHNOLOGIES Michelle Stevenson & Chris Dupe, Museums Victoria
19:10	30 mins	EXPERIENCING LIGHT AND IMPROVING OPERATIONS Matthew Cobham & Richard Fisher, ERCO

CONFERENCE SCHEDULE – DAY 2

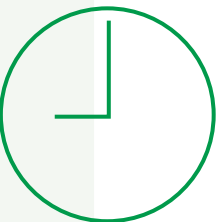
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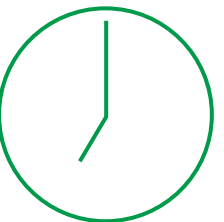
San Francisco 1pm
Tuesday 20 October



New York 4pm
Tuesday 20 October



London 9pm
Tuesday 20 October

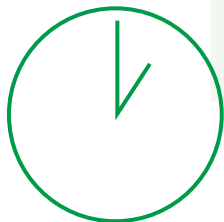


Melbourne 7am
Wednesday 21 October

Start Time (EST)	Duration	DAY 2: Tuesday 20 October 2020 4pm–7pm
Conference Program		
16:00	5 mins	WELCOME Nancy Bechtol, IAMFA President
16:05	20 mins	THE BENCHMARKING JOURNEY Robert Lambe, Facility Issues
16:25	10 mins	IAMFA ONLINE SNEAK PEEK: FACILITIES MANAGEMENT ACADEMY: DEVELOPING FROM WITHIN Daniel Davies & Judie Cooper, Smithsonian Institution
		WELCOME TO TASMANIA
16:35	40 mins	THE DIVINE COMEDY OF CREATING HEAVEN & HELL Steve Devereaux & Philippa Holmes, Museum of Old and New Art <i>Presentation and Q&A</i>
17:15	40 mins	PORT ARTHUR HISTORIC SITE: MANAGING FOR THE ‘GREAT OUTDOORS’ Jane Harrington, Port Arthur Historic Site Management Authority <i>Presentation and Q&A</i>
17:55	10 mins	AUSTRALIAN MEMBER SHOWCASE: PLAYING THE LONG GAME: BROADENING PARAMETERS, HVAC UPGRADES AND COLLECTION STORAGE PLANNING Erin Dampney, National Library of Australia
18:05	30 mins	AUSTRALIAN MEMBER SHOWCASE: PLANNING FOR SUSTAINABLE COLLECTION AND LOAN ENVIRONMENTS Michael Varcoe-Cocks, National Gallery of Victoria
18:35	30 mins	AIR QUALITY: MAKING THE INVISIBLE, VISIBLE Chris Ecob, Camfil

CONFERENCE SCHEDULE – DAY 3

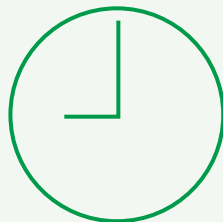
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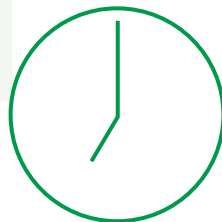
San Francisco 1pm
Wednesday 21 October



New York 4pm
Wednesday 21 October



London 9pm
Wednesday 21 October



Melbourne 7am
Thursday 22 October

Start Time (EST)	Duration	DAY 3: Wednesday 21 October 2020 4pm–6.30pm
Conference Program		
16:00	10 mins	PRESIDENT’S MESSAGE: FM TODAY AND TOMORROW Nancy Bechtol, IAMFA President
16:10	20 mins	GUEST SPEAKER Lonnie Bunch, Secretary of the Smithsonian
16:30	20 mins	A JOURNEY TO THE STARS, FROM SYDNEY OBSERVATORY TO DARK SKY EDUCATION Nathan Wilson-Rynell, ERCO
16:50	25 mins	2020 ANNUAL GENERAL MEETING & 2021 CONFERENCE PREVIEW David Sanders, IAMFA Secretary
IAMFA 30th Anniversary		
17:15	75 mins	30TH ANNIVERSARY CELEBRATION Led by Nancy Bechtol, IAMFA President





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Led by Robert Marino, President, Mueller's other principals include Todd Garing, Vice President, Kenneth Rock, Senior Vice President and Steven Gillis, Vice President. Our experienced and highly dedicated management team is our hallmark. Our firm includes more than 40 professionals, dedicated to building strong relationships with our museum, cultural and institutional clients. We have completed more than 100 projects for the Smithsonian Institution, including, most recently the historic renovation and revitalization of the National Air and Space Museum. Other notable clients include the Baltimore Art Museum, Dumbarton Oaks, Folger Shakespeare Library, the Phillips Collection, Virginia Museum of Fine Arts, the Walter's Art Gallery, among many others.



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Black & McDonald is a multi-trade prime contractor, we are a family run, privately owned business that embraces a 'one team' family ethos. We have been in the contracting and maintenance business in Canada since 1921. We are responsible for managing the maintenance, operations and support services in facilities totaling over 70 million square feet from 27 offices throughout North America and Bermuda. As a unionized company we have been able to work with many of our public sector clients within their existing facilities teams in order to compliment the service delivery model.

ERIN BRABON
DIRECTOR

Erica has worked with many members of IAMFA on Benchmarking and supports B&M Museum and Gallery clients across Canada.

KELLY CHRISTENSEN
PROJECT MANAGER, ESS

Kelly has been very involved with the Benchmarking programs and has presented many other topics around sustainability in Museums and Galleries. Kelly holds particular interests in building efficiency through big data and IoT technology.

SIGRUN ASMUNDSSON
FMO NATIONAL BUSINESS DEVELOPMENT
MANAGER

Sigrun works closely with B&M clients in the development and implementation of Right Fit solutions around the provision of FM services at Museums and Galleries across Canada.

DOMINIC NICHOLAS
FMO DIVISION MANAGER

Dominic's team supports B&M's clients in the Ottawa region through the provision of integrated Facilities management services.

ABIOLA ADEBAYO
ESS PROJECT MANAGER

Abiola serves as Energy Manager for complex facilities including Museums and Galleries in multiple jurisdictions with primary responsibility of optimizing energy consumption and cost, while maintaining strict indoor air quality and reliability standards.



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The brand is globally associated with market leading, innovative products that require minimal energy in use and result in minimal carbon footprint. Camfil aligns its business strategy with the UN Sustainable Development Goals. We have identified four goals that are most relevant to our business and enable us to provide the most meaningful global contribution: Good Health and Well-Being, Decent Work and Economic Growth, Sustainable Cities and Communities and Responsible consumption and Production.

A question: did you know, every day we eat 1kg of food, drink 2 kg of liquid, but breathe 15 kg of air. We take care about the quality of our food and water, but how much note do we take of the air we breathe?

CHIS ECOB
GLOBAL DIRECTOR OF APPLICATIONS AND SOLUTIONS
Chris Ecob studied chemistry at Durham University (UK) then moved to Salford University for his PhD. His doctorate studied the use of activated carbon to prevent releases of radioactive iodine from nuclear power stations. After a short spell with an activated carbon manufacturer, he transferred into the filtration industry to gain more practical experience of customer problems. He has worked at Camfil for 36 years, focusing on the removal of odours, irritants, toxins and corrosive gases from the air. These are all problems created by the presence of contaminated molecules. One of Chris' favourite customer segments is cultural heritage. Many cultural objects are extremely sensitive to air pollution and the opportunity to work with a diverse selection of large and small establishments around the world is a very rewarding privilege. Chris started his involvement with IAMFA in 2008 at the London Conference.



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Bon Appétit Management Company (www.bamco.com) is an on-site restaurant company that serves dozens of marquee clients at nearly 1,000 locations in 33 states. Since its founding in 1987, Bon Appétit's pursuit of from-scratch cooking and environmentally and socially responsible sourcing has fundamentally shaped the food service industry.

Today, Bon Appétit serves some of the world's most influential companies and institutions of higher education. Bon Appétit also has deep experience serving guests at many of the nation's most renowned cultural institutions, including The Getty Center; The Huntington Library, Art Museum, and Botanical Gardens; the Art Institute of Chicago; and most recently, The Metropolitan Museum of Art. At each of these institutions, before the pandemic, Bon Appétit regularly catered gala events for thousands of guests; provided fresh, creative café fare for millions of annual visitors in casual cafés; and in many cases operated fine dining restaurants with acclaimed reputations. Whether a multi-course fine dining meal or a simple salad packaged to go, Bon Appétit's offerings continue to embody core values of wellness, dignity, community, and conservation that drive its mission to create "food service for a sustainable future."

FEDELE BAUCCIO
CEO
Fedele Bauccio is the cofounder and CEO of Bon Appétit Management Company, a food service company established in 1987 with the bold vision to create restaurant-quality dining experiences for corporations, colleges and universities, and museums and other cultural institutions. Under Fedele's leadership, Bon Appétit has become the food service industry's acknowledged leader in pioneering environmentally and socially responsible practices. Among many awards, Fedele has received a EY Entrepreneur of the Year National Retail and Consumer Products Award for redefining the food service industry and pioneering environmental and local sourcing policies, and a James Beard Foundation Inaugural Leadership Award for creating a more healthful, sustainable, and safe food world. In the past year, Fedele oversaw the opening of new dining services at the Metropolitan Museum of Art in New York City and San Francisco's Chase Center, home of the Golden State Warriors.



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• Peabody Museum, Yale University, New Haven, CT
• Museum of Fine Arts, Boston, MA
• McMullen Museum of Art, Boston College, Chestnut Hill, MA
• The Clark Art Institute, Williamstown, MA
• Bowdoin College Museum of Art, Brunswick, ME
• Colby College Museum of Art, Waterville, ME
• Franklin D. Roosevelt Presidential Library and Museum, Hyde Park, NY



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MICHAEL CUMMINGS

DISTRICT SALES MANAGER – DC, VA, MD & GOVERNMENT COMPLIANCE

Since 2013 Michael has represented Belimo Air Controls (USA) Inc. to IAMFA supporting the mission and events of the annual conference as well as local chapter activities. In Pittsburgh in 2019, Belimo was recognized with IAMFA's Diplomat Award for their contributions to the annual conferences, presentations and for articles published in Papyrus. Belimo has greatly appreciated the collaboration and engagement with members of IAMFA from around the world. We look forward to continued engagement and supporting the mission and success of IAMFA's members.

VANCE FREYMAN

DIRECTOR OF PROJECT DEVELOPMENT

Vance Freymann is the director of project development for Consigli Construction Co., Inc., and oversees the company's business development and marketing efforts. He has over twenty-five years of experience in the construction industry. Since joining the firm in 2001, he has helped to expand Consigli's volume and geographic base from Central Massachusetts to all six New England states, Upstate New York and the Washington, DC Metro area. Freymann sits on the board of Trustees and Executive Committee for the Providence Preservation Society and participates on several of the organization's committees, and is a member of the board of advisors for the Department of Applied Social Sciences at Boston University. He is co-founder and former vice president of the board of trustees for the ACE Mentor Program of Rhode Island. He is a current board member for the ACE Mentor Program of the Greater Washington Metropolitan Area. He received a Bachelor of Arts in History from Northwestern University and a Master of Arts in Urban Affairs and Planning from Boston University.

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CLINTON MEAD

Clinton Mead has been involved in the delivery of all the project delivered at Mona by Fairbrother and has extensive experience in the construction industry. His knowledge makes him the perfect candidate for the delivery of Mona's complex projects.

PHIL DE JONG

Phil De Jong was involved as the project manager on the more recent projects such as Pharos, Siloam and the Divine comedy, and Spectra. Phil played a key role in the procurement and delivery of these challenging projects.

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PRESENTATIONS AND PRESENTERS

DAY 1

FACILITATING CONTEMPORARY ART IN A HERITAGE BUILDING NATIONAL GALLERY OF VICTORIA

The National Gallery of Victoria (NGV) founded in 1861, it is Australia's oldest, largest and most visited art museum. The NGV houses an encyclopedic art collection across two sites: NGV International and NGV Australia. The NGV International building, designed by Sir Roy Grounds and opened in 1968, is on the Victorian Heritage Register and traditionally housed the Gallery's historic art collection.

In response to the increased global demand for the art of our time, NGV has increasing its display of contemporary art and design works, by both local and international artists. The diverse nature of these contemporary artworks poses significant challenges in terms of their safe and secure installation. The successful facilitation of these artworks within the constraints of the NGV International Heritage-listed building is nothing short of a miracle.

The panel will take you through the journey of installing four amazing, unique and challenging contemporary art works – KAWS *Gone*, Céleste Boursier-Mougenot *Clinamen*, Ron Mueck *Mass*, and Ernesto Neto *The Island Bird*.



TONY ELLWOOD AM
DIRECTOR
NATIONAL GALLERY OF VICTORIA

Tony is a leading figure in the Australian arts sector and Director of the National Gallery of Victoria (NGV). He began his career as an Aboriginal Art Coordinator, working at Waringarri Aboriginal Arts, Kununurra; then worked as a Curator at the NGV, specialising in major international curatorial projects. He was Director, Bendigo Art Gallery; Deputy Director – International Art, NGV and Director of the Queensland Art Gallery and the Gallery of Modern Art (QAGOMA) prior to returning to the NGV as Director in August 2012.

Under Tony Ellwood's stewardship, the National Gallery of Victoria has become the most visited gallery in Australia. Through a series of blockbuster exhibitions, he has made the NGV an exciting and accessible part of the community. He has overseen many significant exhibitions in Australia during the past decade. Tony was appointed as a Member in the General Division of the Order of Australia and Doctor of Arts honoris causa (RMIT University) in 2018. In 2019 Honorary Doctorate (Deakin University) and Doctor of Letters honoris causa (La Trobe University).

DAY 1



LUCY HASTEWELL
HEAD OF FACILITIES AND OPERATIONS
NATIONAL GALLERY OF VICTORIA

Lucy Hastewell has been working the arts and culture sector in Melbourne, Australia, for over 20 years. As Head of Facilities and Operations at the National Gallery of Victoria (NGV) Lucy oversees the NGV International and NGV Australia buildings, supporting 3 million visitors a year to these premier facilities. Lucy is passionate about museum sustainability and is leading the implementation of an energy-performance contract as part of the Greener Government Buildings initiative to reduce carbon emissions.

As an advocate for life-long learning, Lucy's academic background is in the arts, however she also holds a Master of Project Management and Graduate Diploma of Information Management and has just commenced the journey towards an accounting qualification. Lucy proudly chairs the IAMFA Australian / New Zealand Chapter.



MARYJO LELYVELD
COORDINATING CONSERVATOR
NATIONAL GALLERY OF VICTORIA

MaryJo Lelyveld is the Coordinating Conservator at the National Gallery of Victoria (NGV). She has 20 years' experience working with state and national government and private cultural collections, in the roles of conservator and art preparator. She holds a Bachelor of Applied Science in the Conservation of Cultural Materials (Paintings) from the University of Canberra (2002) and a Master of Strategic Foresight from Swinburne University (2012).

She served as President of the Australian Institute for the Conservation of Cultural Materials (AICCM) (2013–2017) and is now chair of the AICCM Sustainable Collections Committee (2017–present) where she is an advocate for developing transitional pathways towards sustainable collections through integrative system design.



TONY HENSHAW
MANAGER, FACILITIES
NATIONAL GALLERY OF VICTORIA

Tony Henshaw is the Manager Facilities at the National Gallery of Victoria where he has worked for nearly 30 years. Tony leads a dedicated team of facilities professionals who pride themselves in maintaining the NGV facilities to the highest standards, ensuring that visitors to the gallery have the best possible experience and that staff are supported to do the best job that they can. In his role as Manager Facilities Tony is also responsible for promoting a safety culture across the Gallery.

DAY 1

REDUCING ENERGY COSTS AND EMISSIONS THROUGH ENERGY PERFORMANCE CONTRACTING MUSEUMS VICTORIA & SIEMENS LTD

In 2015 Museums Victoria commenced the undertaking of an \$11.3M Energy Performance Contract as part of the Victorian Government's Greening Government Buildings initiative to help reduce energy consumption within publicly owned buildings. Partnering with Siemens the Project included various building system upgrades, heating ventilation and air-conditioning upgrades, lighting upgrades and the installation of the largest photovoltaic (solar panel) array in Melbourne's CBD. The combined energy performance improvements save more than 5,600 tonnes of emissions annually. The project also delivers significant operational running cost savings each year.

This presentation will provide a detailed overview of the Energy Performance Contracting process undertaken by Museums Victoria and will provide valuable insight into project stages and decision-making processes that ultimately determine the agreed deliverables of such a project.

DAY 1



DEAN LEGGETT
MANAGER OF STRATEGIC FACILITIES MANAGEMENT
MUSEUMS VICTORIA

Dean Leggett is the Manager of Strategic Facilities Management at Museums Victoria in Melbourne, Australia. Joining Museums Victoria in 2005 Dean has headed the Strategic Facilities Management Department since 2016. With a career in facilities and maintenance management spanning more than 30 years Dean enjoys the diverse range of challenges that comes with managing contemporary and heritage buildings within the Museums Victoria property portfolio and embraces innovation and technologies that can positively influence the operational efficiency and sustainability of the organization.



BRIAN WADE-FRENCH
SIEMENS

*Certified Energy Efficiency Specialist (CEES) –
Energy Efficiency Council Australia*

*Certified Measurement & Verification Professional (CMVP) –
Efficiency Valuation Organization (EVO)*

*Certified Energy Manager (CEM) – Association of Energy
Engineers (AEE)*

Brian has worked for Siemens around the globe in New Zealand, England, and Australia in various roles beginning in 1987. His experience has included over 20 years of design, engineering, programming, sales, project management and commissioning of Building Control and Automation Systems, and almost 9 years working in the field of energy efficiency.

Brian moved to Siemens Building Performance and Sustainability (BPS) team in 2011 and he has gained extensive experience in energy auditing and EPC project development and delivery for the entire project lifecycle of energy performance contracts and energy efficiency projects from the initial audit phase through construction and the performance guarantee (measurement and verification) phase.

DAY 1

MASTERPLANNING – A ROADMAP: TRANSFORMING MELBOURNE'S ARTS PRECINCT ARTS CENTRE MELBOURNE, STEENSEN VARMING

Putting a masterplan together is like drawing a roadmap. Just like how a good roadmap shows alternative modes of travel, fast routes, scenic routes, detours, toll-free options, rest-stops, key landmarks and points of decision in a simple manner, a masterplan needs to capture a range of complex considerations with simplicity, tailored to the specifics of the time, place and people. How can a masterplan best benefit a city by reviving one of its cultural hubs? Where to get started? What to ask for and expect? Best ways to put things into day-to-day work, and how to sustain its impact through the years?

This presentation introduces the story of the work happening behind the scenes to transform Melbourne's Art Precinct; discusses the broad ambitions, key sustainability initiatives and strategies to offer the city a new civic heart in a hub encircled with iconic cultural institutions.



MARK BALDWIN
DIRECTOR, INFRASTRUCTURE
ARTS CENTRE MELBOURNE

Mark is the Director, Infrastructure at Arts Centre Melbourne, responsible for the care and maintenance of the Arts Centre's three major assets comprising the Theatres Building (under the iconic spire) and home to the State Theatre, Playhouse and Fairfax Studio, Hamer Hall and the outdoor venue the Sidney Myer Music Bowl. In addition to maintaining the Arts Centre's vibrant, heritage listed assets, mark's specialist team of engineering services, safety and security specialists provide support to the precinct's vision for a new master planned cultural precinct.



CHRIS KING
DIRECTOR, ART CENTRE MELBOURNE'S REIMAGINING PROJECT
ARTS CENTRE MELBOURNE

Chris is Director of Art Centre Melbourne's Reimagining project, which is part of the Melbourne Arts Precinct Transformation, a project announced by the Victorian Government in mid 2018. It includes the complete refurbishment of Arts Centre Melbourne's Theatres Building, a new 18,000m2 open public space and a new creative industries facility at 1 City Road. With an extensive background in project management and performing arts, Chris has a long history of developing business cases and delivering projects to improve the facilities at Arts Centre Melbourne including involvement in the successful renovation of Hamer Hall in 2012. Ensuring the environmental, financial and socially sustainable future for Art Centre Melbourne venues and the broader cultural precinct are the driving force behind Chris and his specialist team.

DAY 1



CHRIS ARKINS
DIRECTOR
STEENSEN VARMING

Chris is a Director of Steensen Varming, who enjoys the demands that accompany his role in developing and coordinating the delivery of specialist environmental and sustainable design services. He has a driving passion for sustainable design and introduces innovative solutions that provide the functionality and technical detail that complement some of the best architecture in Australia and abroad.

Chris manages the regional operations for Steensen Varming's Australian and Hong Kong studios and leads and coordinates the firm's commitment to integrated sustainable design across our global studios.

Chris has completed a variety of challenging projects encompassing the design of innovative, low energy mechanical and passive systems.



JONNY PERKS
ASSOCIATE
STEENSEN VARMING

Jonny is an Associate within Steensen Varming's Sustainability team in Hong Kong. With diverse experience, primarily within urban development, he is passionate about improving the sustainability of cities, and understanding the climatic, cultural and site-specific influences for developing sustainable design solutions. Jonny has developed sustainability and energy strategies for a range of masterplans, buildings and infrastructure developments, including microclimate analysis and optimisation of passive thermal comfort design for outdoor and indoor spaces. He has also produced strategic carbon and energy reduction analysis for government bodies.



EMRAH BAKI ULAS
ASSOCIATE
STEENSEN VARMING

Emrah is an established lighting designer. As an associate of Steensen Varming he has a range of responsibilities including design leadership in regular liaison with the internal and external collaborators. He strives for a stronger integration of theory and philosophy into design strategy and practice and seeks the type of work that challenges the status-quo of architecture, engineering and design. He has extensive experience with masterplanning.

DAY 1

AUSTRALIAN MEMBER SHOWCASE: EXPANSION AND TRANSFORMATION OF THE ART GALLERY OF NSW ART GALLERY OF NEW SOUTH WALES

The Art Gallery of New South Wales is undergoing a \$344 million expansion and transformation, known as the Sydney Modern Project. The construction of a new building and public art garden next to the existing building will almost double current exhibition space with seamless connections between indoor and outdoor spaces. At the same time, the existing 19th century gallery building is being revitalised with a number of projects that will reinstate its original architectural fabric and enhance the visitor experience. Scheduled for completion in 2022, the Sydney Modern Project will create a unique art museum experience in one of the world's most beautiful cultural precincts. The Gallery remains open during construction.



DR MICHAEL BRAND
DIRECTOR
ART GALLERY OF NEW SOUTH WALES

Michael Brand joined the Art Gallery of New South Wales as director in June 2012. Prior to his appointment, he was consulting director of the new Aga Khan Museum in Toronto while it was under construction. From 2005 to 2010, Dr Brand was director of the J Paul Getty Museum in Los Angeles, leading both the Getty Center and Getty Villa sites and establishing its new Center for Photography. Prior to that he was director of the Virginia Museum of Fine Arts in Richmond from 2000 to 2005. A regular contributor to global conversation about the future of art museums, Michael chairs the Council of Australian Art Museum Directors (CAAMD) and serves on the International Advisory Board of the State Hermitage Museum, St. Petersburg. His professional affiliations include the Bizot Group of International Art Museum Directors and the American Association of Museum Directors. He is a past member of the Visiting Committee of the Harvard Art Museums and the Governing Board of the Courtauld Institute of Art in London.

DAY 1



SALLY WEBSTER
HEAD OF SYDNEY MODERN PROJECT
ART GALLERY OF NEW SOUTH WALES

Sally Webster is the Head of the Sydney Modern Project at the Art Gallery of New South Wales and has been managing the Gallery's expansion project since the international architectural design competition in 2014. Prior to joining the Gallery, Sally held project and curatorial roles with Arts NSW and the Historic Houses Trust of NSW where she managed a number of arts and cultural development projects as well as developed and delivered a range of exhibitions. Sally is a member of the International Council on Monuments and Sites.



PAUL COLLIS
HEAD OF FACILITIES
ART GALLERY OF NEW SOUTH WALES

Paul Collis is the Head of Facilities at the Art Gallery of New South Wales. Prior to joining the Gallery in 2018, Paul was the Head of Facilities at Queensland Art Gallery where he contributed to the development and transition to the Gallery of Modern Art and led the building recovery after the 2011 Brisbane floods. Paul's facilities management experience includes major refurbishment projects, exhibition construction and heritage building management.

DAY 1

AUSTRALIAN MEMBER SHOWCASE: PRESERVING A WORLD HERITAGE ICON USING MODERN TECHNOLOGIES MUSEUMS VICTORIA

For over 130 years Melbourne's World Heritage Listed Royal Exhibition Building has worked with a variety of partners to embrace and showcase innovation and new technologies. In 2018 Museums Victoria worked with the US-based not-for-profit CyArk to digitally capture the Royal Exhibition Building. This presentation will take you through that initial documentation project and its immediate outcomes for planning day to day management and access of the site. We will then share Museums Victoria's plans to build on that work to enhance a new master planning project for the broader precinct and ultimately to have an integrated digital model for facility maintenance and upgrade works as well as exhibition and commercial program development.



MICHELLE STEVENSON
HEAD SOCIETY & TECHNOLOGY
MUSEUMS VICTORIA

Michelle is passionate about using new technology and methods to improvement engagement with and management of heritage sites. She believes that cultural heritage sites should be spaces for meaningful engagement, conversation and participation for all.



CHRIS DUPE
MANAGER OF STRATEGIC CAPITAL PROJECTS
MUSEUMS VICTORIA

Chris is keen to focus on improving systems for facility management and maintenance through adoption and use of BIM technology.

DAY 1

EXPERIENCING LIGHT AND IMPROVING OPERATIONS ERCO

Building upon ERCO's series of articles in Papyrus, this virtual presentation will bring to life the recent 'Experiencing Light' article. Using the latest technology in lighting controls can have a direct impact on the bottom line through improved operations and enhancing the visitor experience. With Matthew in a demonstration space and Rich at the helm of powerpoint, this session will give you a chance to 'experience' for yourself just what is possible with enhancements and investments in your lighting system.

MATTHEW COBHAM
GLOBAL CULTURE MANAGER
ERCO

As Global Culture Manager, Matthew brings years of museum lighting experience to his role in support of the organization's outreach and education within this sector.

RICHARD FISHER
MANAGER FOR CULTURAL BUSINESS
ERCO

In the North American market, Rich Fisher serves as ERCO's Manager for Cultural Business, managing educational efforts, project engagement, product demonstrations and installation support.

THE BENCHMARKING JOURNEY FACILITY ISSUES

Benchmarking is evolving along with all our metrics and data capabilities. This session will briefly review IAMFA’s benchmarking program history, review some of the ways the results have been used, and outline how benchmarking approaches provide planning and management guidance for cultural facility management.



ROBERT LAMBE
CFM
FACILITY ISSUES
Robert Lambe is the leader of Facility Issues, who delivers the IAMFA benchmarking program. With 30 years of corporate facilities experience, Bob provides strategic facility planning and facility analytic services and has presented on a variety of approaches that help organizations use available information for more effective facility asset planning and efficient facility operations. Facility Issues also provides benchmarking services to managers of utility, research, critical, and general industry facilities.

IAMFA ONLINE SNEAK PEAK: FACILITIES MANAGEMENT ACADEMY: DEVELOPING FROM WITHIN SMITHSONIAN INSTITUTION OFFICE OF FACILITIES MANAGEMENT & RELIABILITY

The skilled trades workforce is aging and retiring and there are not enough replacements in the marketplace who either have, or are learning, those skillsets. In order to address this skills gap, the Smithsonian decided to build our own skilled trades staff. In this brief session, we will provide an overview of some of our most successful staff development initiatives in the Office of Facilities Management and Reliability. Tune in for the November monthly IAMFA Town Hall Webinar to hear all the details.



DANIEL DAVIES
SMITHSONIAN INSTITUTION
Davies has 26 years of experience managing facilities and building staff at the Smithsonian. He earned the George Mason University Certificate in Facilities Management in 2006 and IFMA CFM 2007. Over the past three years, Davies has worked with an internal Organizational Development Team on several new programs to enhance staff skills, and leadership.



JUDIE COOPER
ASSOCIATE DIRECTOR OF ORGANIZATIONAL DEVELOPMENT
FOR THE OFFICE OF FACILITIES MANAGEMENT & RELIABILITY
SMITHSONIAN INSTITUTION
As Associate Director of Organizational Development for the Office of Facilities Management and Reliability at the Smithsonian Institution, Cooper is responsible for strategic initiatives that support continuously improved organizational performance including benchmarking, best practices, strategic planning, change management, outreach, professional development, and staff education. She is a Certified Facility Manager and a member of the IFMA ISO Technical Committee 267 (Facilities Management), Chair of the Federal Facilities Council Committee on Workforce Development and Organizational Performance, and a member of the Board of Advisors of the Catholic University of America Facilities Management graduate degree program. In addition to frequently writing and speaking about facility management, leadership and career development and branding initiatives for facilities teams, she is the co-author of *The Care and Keeping of Cultural Facilities: A Best Practice Guidebook for Museum Facility Management*.

DAY 2

THE DIVINE COMEDY OF CREATING HEAVEN & HELL MUSEUM OF OLD AND NEW ART

The Mona team will provide a project overview of the artwork based on Dante's Divine Comedy, a 40 minute art experience. The art experience is divided into three chambers to reflect the three sections of Dante's poem, journeying through hell, purgatory and heaven.

Behind the façade of the art work sits incredible design, engineering and construction consideration. Not to mention many head scratching moments around commissioning...



STEVE DEVEREAUX
DIRECTOR OF PROJECTS

Steve has spent 16 years as part of the Mona team managing the site and projects as it has transitioned from a small winery/vineyard/museum and boutique accommodation through to 2020 and Mona as we know it today. Previous lives include education, commercial fishing, and vigneron. Now focused on Mona's projects as we move into the next site developments.



PHILIPPA HOLMES
DIRECTOR, FACILITIES AND ASSETS
MUSEUM OF OLD AND NEW ART

Philippa joined the Mona team in January 2019. This was Philippa's first gig in a Museum setting and a wild ride joining the team near the completion of the Divine Comedy project.

Philippa has eighteen years' local and international experience managing blue chip retail and commercial assets. A decade of this experience was with Lendlease, where she had a specialised focus of transitioning development / construction assets into operations.

DAY 2

PORT ARTHUR HISTORIC SITE: MANAGING FOR THE 'GREAT OUTDOORS' PORT ARTHUR HISTORIC SITE MANAGEMENT AUTHORITY

The Port Arthur Historic Site in Tasmania covers over 200 hectares, although the main historic area is only about 30 hectares. Prior to the pandemic the site received up to 400,000 visitors a year. The site is one of 11 that make up the Australian Convict Sites World Heritage Property, and received the Australian Major Tourism Attraction award in 2020. A lot to live up to! Based in a coastal regional area, we balance our conservation and tourism needs with the requirements of a small village – including water supply, wastewater treatment, jetties, and a newly renovated Visitor Centre. And then of course we deal with climate change, storm surges and bush fires. We welcome you to an overview of the challenges and triumphs in managing an expansive outdoor museum.



JANE HARRINGTON
DIRECTOR OF CONSERVATION
AND INFRASTRUCTURE
PORT ARTHUR HISTORIC SITE
MANAGEMENT AUTHORITY

Jane has been the Director of Conservation and Infrastructure with the Port Arthur Historic Site Management Authority since 2006. She has been involved in cultural heritage for over 25 years. As well as general heritage management, her academic and professional background is in anthropology and archaeology, the latter including involvement with industrial sites. Jane is currently a member of the Australian Heritage Council, an Adjunct Professor with Deakin University and Associate Professor with the University of Tasmania.

DAY 2

AUSTRALIAN MEMBER SHOWCASE: PLAYING THE LONG GAME: BROADENING PARAMETERS, HVAC UPGRADES AND COLLECTION STORAGE PLANNING NATIONAL LIBRARY OF AUSTRALIA

Since 2012 the National Library of Australia has been running its offsite collection storage facilities passively, with no reliance on HVAC. This presentation will discuss the success of this project, why the National Library of Australia has broadened its collection storage parameters; and how this work is being consolidated with a major HVAC upgrade. The Library is also coordinating these works with a Collection Storage Masterplan – a large collections ‘tetris’ which will maximize storage efficiency, and consolidate collection storage parameters across the Library.



ERIN DAMPNEY
DIRECTOR CAPITAL WORKS
NATIONAL LIBRARY OF AUSTRALIA

Erin is the Director of Capital Works at the National Library of Australia. With over 15 years' experience in the cultural sector, Erin has worked in a range of disciplines including project management, exhibitions, built heritage, sustainability, facilities and security. Her current role leverages this experience to manage the Library's capital works program. Erin's project experience includes the redevelopment of the Library's exhibition galleries, a marble façade replacement project, and a major HVAC upgrade.

DAY 2

PLANNING FOR SUSTAINABLE COLLECTION AND LOAN ENVIRONMENTS NATIONAL GALLERY OF VICTORIA

There is growing incentive for public collecting institutions to become more economically, socially and environmentally sustainable. Many entrusted with the long-term preservation of a cultural asset, from directors to facility managers, conservators to registrars, see this is an important aim and are seeking ways to do so with minimal risk to collection and loan material.

This presentation will outline the motivations and implementation pathway the National Gallery of Victoria (NGV) has undertaken to revise the environmental parameters for exhibition and storage areas, and as part of its loan program. It will discuss:

- The choice of revised environmental parameters for its exhibition galleries at NGV-International and NGV-Australia and when objects are on loan to local, national and international institutions
- Communicating key needs and potential risks as identified by each of the project stakeholder groups
- Working across departments to develop, apply and track the outcomes of the revised environmental conditions
- Collaborative research with the Getty Conservation Institute to monitor object response during the environmental transition
- Development of interdisciplinary messaging to broadly share the results of the implementation with the cultural heritage field



MICHAEL VARCOE-COCKS
HEAD OF CONSERVATION
NATIONAL GALLERY OF VICTORIA

Michael Varcoe-Cocks is the Head of Conservation at the National Gallery of Victoria where he has been employed as a painting conservator for twenty years. His work has principally focused on collection-based research and the accompanying treatment of works produced between 1850 and 1950. He has personally undertaken treatment campaigns on numerous icons of the NGV's collection.

Michael is a regular contributor to the field of technical art history and has published widely on the materials and methods employed by artist of the Australian impressionist movement.

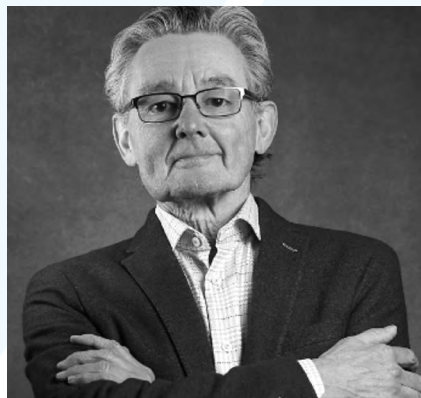
AIR-QUALITY: MAKING THE INVISIBLE, VISIBLE CAMFIL

Air and the oxygen it contains are essential requirements for humans, many lifeforms and the wider environment. Until recently, and especially pre-CoVid, there was little public awareness of air quality, how much it can vary and the impact that poor air quality can have on human health, the environment and many manufacturing processes. In the cultural heritage sector, many people also recognize that poor air quality can degrade collection objects.

In most situations, good and bad quality air is essentially invisible to the human eye. We see nothing. In this presentation we will explore:

- i) What is pure air?
- ii) The types of contaminants that degrade air quality.
- iii) Sources of contaminants.
- iv) How pollutants are classified.
- v) Impacts of air pollution and poor air quality.

Having said air quality is invisible, nonetheless, information will be presented as far as possible from an observational rather than a technical perspective.



CHRIS ECOB
GLOBAL DIRECTOR OF APPLICATIONS
AND SOLUTIONS
CAMFIL

Dr. Chris Ecob is Global Director of Applications and Solutions for molecular contamination control at Camfil AB, Sweden. He studied chemistry at Durham University (UK) then moved to Salford University for his PhD. His doctorate studied the use of activated carbon to prevent releases of radioactive iodine from nuclear power stations. After a short spell with UK activated carbon manufacturer Sutcliffe Speakman Carbons, he transferred into the filtration industry to gain more practical experience of customer problems. He has been working for > 36 years at Camfil and has a very broad knowledge of air quality and filtration solutions to improve air quality. His speciality area is the removal of odours, irritants, toxins and corrosive gases from the air. These are all problems created by the presence of contaminant gases or vapours. He has previously held positions in sales, R+D, special projects, marketing, product management, as Global Business Manager and as Global Technical Director.





PRESIDENT'S MESSAGE: FM TODAY AND TOMORROW NANCY BECHTOL IAMFA PRESIDENT

As Director of Smithsonian Facilities (SF) at the Smithsonian Institution, she manages all facilities planning, design, construction, engineering and management needs within the nineteen museums, nine research centers and the National Zoo, largely in Washington, DC, New York, and Panama. The Smithsonian's worldwide portfolio is over 13 million square feet with over 600 buildings and 43,000 acres of land and is maintained utilizing an in-house workforce of over 1000 FTE and an operating budget of \$430 million. She oversees the Capital, Maintenance and Operations programs for all Smithsonian facilities worldwide.

Having completed building the Smithsonian's newest museum, the National Museum of African American History and Culture, she currently concentrates on the major renovation of the National Air and Space Museum. She oversees the Office of Safety, Health and Environmental Management, Smithsonian Gardens, and Office of Emergency Management. Ms. Bechtol has managed facilities-related emergencies at Smithsonian (metro-DC/NY) for 27 years, including the 2006 flood along Constitution Ave; the aftermath of the 2011 earthquake, and too many snow/ice storms to count.

She is currently on the coordination group leading the Smithsonian's response to the COVID-19 crisis. She serves as the Smithsonian's Senior Sustainability and Climate Change Adaptation Officer. Previously, she was Horticultural Manager for the 30,000 acre Maryland-National Capital Park and Planning Commission in Montgomery County, Maryland, managing the horticultural program in 300 parks county-wide, and worked as Integrated Pest Manager at Longwood Gardens, developing the first public-garden IPM program. She has worked in several public gardens in her career to include Ladew Topiary Gardens, Brookside Gardens in Maryland and the U. S. National Arboretum. Ms. Bechtol graduated from University of Maryland with a Bachelor of Science degree in Horticulture. She received her Master of Science from University of Delaware through the Longwood Program in Public Garden Administration. She is a Certified Facility Manager through International Facility Management Association (2007).



LONNIE BUNCH 30TH ANNIVERSARY GUEST SPEAKER SECRETARY, SMITHSONIAN INSTITUTION

Lonnie G. Bunch III is the 14th Secretary of the Smithsonian. He assumed his position June 16, 2019. As Secretary, he oversees 19 museums, 21 libraries, the National Zoo, numerous research centers, and several education units and centers.

Previously, Bunch was the director of the Smithsonian's National Museum of African American History and Culture. When he started as director in July 2005, he had one staff member, no collections, no funding and no site for a museum. Driven by optimism, determination and a commitment to build "a place that would make America better," Bunch transformed a vision into a bold reality. The museum has welcomed more than 6 million visitors since it opened in September 2016 and compiled a collection of 40,000 objects that are housed in the first "green building" on the National Mall.

A widely published author, Bunch has written on topics ranging from the black military experience, the American presidency and all-black towns in the American West to diversity in museum management and the impact of funding and politics on American museums. His most recent book, *A Fool's Errand: Creating the National Museum of African American History and Culture in the Age of Bush, Obama, and Trump*, which chronicles the making of the museum that would become one of the most popular destinations in Washington.

Among his many awards, he was appointed by President George W. Bush to the Committee for the Preservation of the White House in 2002 and reappointed by President Barack Obama in 2010. In 2019, he was awarded the Freedom Medal, one of the Four Freedom Awards from the Roosevelt Institute, for his contribution to American culture as a historian and storyteller; the W.E.B. Du Bois Medal from the Hutchins Center at Harvard University; and the National Equal Justice Award from the NAACP's Legal Defense Fund.

Bunch received his undergraduate and graduate degrees from the American University in Washington, D.C.

A JOURNEY TO THE STARS,
FROM SYDNEY OBSERVATORY
TO DARK SKY EDUCATION
ERCO LIGHTING

Following a long relationship with the Museum of Applied Art & Sciences in Sydney and a joint interest in developing discussion around Dark Sky friendly lighting principles, ERCO and Sydney Observatory have partnered to illuminate the historic facades and exterior spaces of the iconic Observatory Hill site. The ongoing relationship includes project tours, educational seminars and lighting demonstrations. This presentation provides an overview of the process, delivery and stakeholder management of two independent organisations motivated by the same outcome but starting at different points.



NATHAN WILSON-RYNELL
REGIONAL MANAGER OCEANIA
ERCO

As Regional Manager Oceania, Nathan brings over 20 years of local lighting experience to his role in overseeing the development of ERCO’s Oceania market. Nathan has worked on many Museum & Gallery projects since the mid 1990’s and continues to support the industry through ERCO’s Cluster approach with workshops and webinars from the new ERCO Experience Centre, located in the historic Sub Base Platypus on Sydney’s Neutral Bay. The Culture Cluster is key to the ERCO “Light not Luminaires” approach, the delivery of which has never been more exciting thanks to recent innovation in LED quality, flexible lens systems and Bluetooth controls.



THANK YOU

