09:20

Discussion of newly allotted NSW Infrastructure budget and major Upcoming tenders and new contracts

Sydney Build Main Stage | 20 mins ●

09:30

Presentation from City of Sydney

CIVENEX | 30 mins ●

Craig Chung, Liberal Councillor - City of Sydney Council

Presentation from Hansen Yuncken

Sustainability & Safety Stage | 30 mins ●

Kurt Warren, National HSE & Quality Manager - Hansen Yuncken

Integrating The Many Pieces Required for Australia's First Driverless Metro

Sydney Transport Stage | 30 mins ●

Systems Assurance Requirements Management Interface Management Testing and Commissioning Operational Readiness

Ron Azzi, General Manager, Rail Engineering and Integration - John Holland

Digital Infrastructures 2.0 – Data Driven Modelling Technologies for The New Era of Connection

The BIM Stage | 30 mins ●

Cesare Caoduro, Digital Engineering Technology Manager - AECOM

Our Digital Futures

The Digital Construction Stage | 30 mins ●

The way digitisation has changed people's lives is there for everyone to see, just look at how we use the smartphone in our own daily lives. How organisations choose to harness this digital power in t ...

Martin Russell, Geospatial Capability Leader - Aurecon

Sydney Construction Market Update

The Future of Construction Stage | 30 mins ●

09:40

Planning for 2050 – A Metropolis of Three Cities

Sydney Build Main Stage | 20 mins ●

10:00

A Case Study - Implementing Critical Risk Controls

Sustainability & Safety Stage | 30 mins ●

A case study A focus on health, safety and environment critical risk control on construction projects How risks were identified, controls were developed & effectiveness is measured. Embedding process ...

Janette O'Brien, Head of HSEQ - Australia - JLL

Panel Discussion: Building Supertall in Sydney

Sydney Build Main Stage | 20 mins ●

Tony Grist, Principal - Hassell

Connecting Data Silos: Integration and Transparency in the Construction Industry

Sydney Transport Stage | 30 mins ●

The TfNSW Digital Engineering Framework has implications for any people and data used to sitting in silos Project examples show the benefits of connections between previously isolated teams Pros and c ...

Ben Harland, Digital Design and Delivery Practice Lead - Mott MacDonald

Computational Design in Practice

The BIM Stage | 30 mins ●

The Digital Transition

The Digital Construction Stage | 30 mins ●

NSW Building Work Outlook

The Future of Construction Stage

Learn how to use computational design in projects Designing with data - understand the challenges of acquiring accurate data. Learn about finding and using open data in projects What is data bias and ...

Maciej Wypych, Design Technology Coordinator - BVN

Hear why you need to embrace digital processes Understand about how you transition your business from analog to digital processes Learn about what digital processes exist and can be implemented to imp ...

Nathan Hildebrandt, Owner - Skewed

| 30 mins ●

Apartment and New Housing Outlook & Trends Non-residential Building Work State of Play Proposed Government Work

David Alessi, Business Development Manager - Icon Co

10:30

Emerging Trends in Transport Infrastructure Development in Australia ♥

CIVENEX | 30 mins ●

There is an emerging trend of greater focus on transport investment to change urban form rather than just respond to established congestion in cities. This change in focus has profound implications fo ...

Gary McGregor, Director Western Sydney Rail - Department of Infrastructure, Regional Development and Cities

Presentation from Jacobs Group ♥

Sustainability & Safety Stage | 30 mins ●

Bruce Bailey, Senior Fire Services Engineer - Buildings & Infrastructure - Jacobs

Assurance and Governance within a mega project such as Sydney Metro ♥

Sydney Transport Stage | 30 mins ●

Cutting-Edge Technologies in the BIM Concept ♥

The BIM Stage | 30 mins ●

5D modelling Discrete event simulation Automation in construction MIS Quantity take-off VR/AR/MR

Ali Mashayekhi, BIM Manager - Hutchinson Builders

Designing and Masterplanning a Smart City Prototype ♥

The Digital Construction Stage | 30 mins ●

Exploring the Design Fundamentals of Hybrid Ecosystems Exploring Ecosystem Users and Culture Exploring Value Propositions and Business Cases Discussing a Smart City prototype(s)

Charles Fortin, Managing Director, Nominated Architect - Collard Maxwell Architects

Presentation from Procore ♥

The Future of Construction Stage | 30 mins ●

Company behaviour profile The human face of safety Leveraging data insights Technology implementation process

Tom Karemacher, Vice President, APAC - Procore

10:40

Presentation from InfraBuild ♥

Sydney Build Main Stage | 20 mins ●

Representative from InfraBuild

11:00

Shining a Light on Dark Data in Road Transport – Opportunities to Improve Strategic Insights and Decision Making ♥

CIVENEX | 30 mins ●

Heavy vehicles are essential to the movement of people, goods and produce in a connected economy Significant volumes of data are now collected through heavy vehicle operations through telematics Data ...

Gavin Hill, General Manager of Strategy and Delivery - Transport Certification Australia

Suicide prevention in the construction industry ♥

Sustainability & Safety Stage | 30 mins ●

Suicide statistics in construction and the wider community What to look for when someone is not doing well What can we do about it when we notice

Carolyn Alessi, Field Officer / Case Manager - Mates in Construction

Presentation from LendLease ♥

Sydney Build Main Stage | 20 mins ●

Hans Brahim, Senior Project Engineer - Lendlease

Presentation from Bombardier Transportation Australia

Sydney Transport Stage | 30 mins ●

Wendy will look to be speaking on how Bombardier Transportation can benefit the NSW rail and tram network and how the business differentiates in the marketplace and rail innovation.

Wendy McMillan, President of South East Asia and Australia Region - Bombardier Transportation Australia

Linear Construction

The BIM Stage | 30 mins ●

Collaboration - Design & Construct Planning of works Data segregation GIS, Survey & BIM Alignment Interoperability workflows Field Verification Asset Information Model (AIM) Operations & Maintenance ...

Gert van Aswegen, National Digital Engineering Manager - Fulton Hogan

Paper to Digital... A Journey of Technology Transformation

The Digital Construction Stage | 30 mins ●

For some time, Western Earthmoving, one of Sydney's largest civil engineering contractors, had been observing how technology was transforming other sectors. They understood that it would only be a ma ...

Ivan Bate, Technology Transformation Manager - Western Earthmoving

Michael Ragg, Director and General Manager - Western Earthmoving

Presentation from Charlie Pidcock

The Future of Construction Stage | 30 mins ●

Charlie Pidcock, Director - Charlie Pidcock Pty Ltd

11:20

Quality at Work – Building the biggest Super Lab in the Southern Hemisphere

Sydney Build Main Stage | 20 mins ●

Project Overview D&C single level 1,800m2 PC2 teaching Super Lab Costing 23M Overall Achievements Largest teaching Super Lab in southern hemisphere. Largest PC2 Teaching Space in the southern hemisphe ...

Michael Wade, Project Manager - Richard Crookes Constructions

11:30

The Built Space – Is it the Answer? (Social Outcomes from Sport Infrastructure?)

CIVENEX | 30 mins ●

Sport, Recreation and Play infrastructure is designed to provide societal outcomes, that are often hard to measure Is the built space delivering on societal outcomes, if so how? Kevin Costner said "If ...

Neal Ames, Sport & Recreation Project Manager - Glenorchy City Council

Combustible Cladding, Facade and Fire Engineering...Where to Now?

Sustainability & Safety Stage | 30 mins ●

Background to cladding standards – the checklist process Why aluminium composite cladding is flammable Guide for the assessment of buildings with combustible cladding Guideline for assessing building ...

Vargha Zare, Senior Project Manager - Growthbuilt

Leveraging Transport to Create Vibrant Precincts

Sydney Transport Stage | 30 mins ●

With more people moving into cities every year, and increased investment in high capacity transport networks, the importance of creating vibrant, people-centric, urban places increases. Precincts repr ...

Kevin Brake, Technical Director – Urban Regeneration - Arcadis

Development of a Digital Platform Based on the Integration of Augmented Reality and BIM for the Management of Information in Construction Processes

The BIM Stage | 30 mins ●

Dimas Menelau de Novais, BIM Technical Specialist - GHD Revit Development – Hydraulic Discipline Lead - GHD

Digital Transformation Market Update: Why Digital Transformation Efforts Are Failing And How To Fix It!

The Digital Construction Stage | 30 mins ●

Digital Transformation is finally gaining ground in our industry, but where are we winning and losing? Building on a survey conducted in collaboration with the UK's Institution of Civil Engineers (ICE ...

Joe Williams, VP, Global Industry Insights - Bluebeam

The Australian Advantage

The Future of Construction Stage | 30 mins ●

Benefits being Australia Made in 2020 The latest research regarding preferences towards buying Australian Managing your marketing and how to capitalise on your "Australian-ness" Current country-of-ori ...

Ben Lazzaro, Chief Executive - Australian Made Campaign Ltd

11:40

Effective Subcontractor's Management ♥

| 20 mins ●

Provide a brief outline of how to manage a Subcontractor & how do assist a Subcontractor to ensure the best outcome for the project Some important points to note when managing subcontractors What to d ...

Mina Hemaia, Senior Project Engineer - T1 Contractor

12:00

Presentation from The City of Canterbury Bankstown ♥

CIVENEX | 30 mins ●

Barbara Iordanidis, Senior Project Officer - The City of Canterbury Bankstown

Special hazard fire protection systems and fit for purpose design ♥

Sustainability & Safety Stage | 30 mins ●

· Types of Specialty Fire Protection Systems · Application of Special Hazard Systems · Fit For purpose Fire Protection and Detection Design

Sally Felice, Senior Fire Protection Engineer - WSP Australia Pty Limited

The Evolution of Pre and Site Construction: The New Competitive Advantage ♥

Sydney Build Main Stage | 20 mins ●

Construction is the most collaborative, yet most fragmented, industry in the world. For the past two decades, construction productivity has grown only 1% a year. In 2018 alone, construction in Austral ...

Tomy Praveen, Managing Director, Asia Pacific Operations - Autodesk Construction Cloud

Delivering Successful Project by Integrating Effective Risk Controls ♥

Sydney Transport Stage | 30 mins ●

Adnan Pal, Risk Manager - Transport for NSW

Digital Integration: Bringing BIM, Smart Buildings and Big Data Together ♥

The BIM Stage | 30 mins ●

Using recent projects as case studies the presentation will look at digital handover and the use of the digital assets to support smart technologies in the operation of the building: Digital handover ...

Rodd Perey, Principal - Architectus

Creativity, Innovation & Technology in Design ♥

The Digital Construction Stage | 30 mins ●

The relation between creativity & technology in the workspace. (Award-winning workspace project in Chicago) - Creative thought process - Innovative Design Analysis - Creative Technology in Worksp ...

Jae Woun Kim, Interior Designer - Verderame Cale Architecture PLLC

Skills, Training and Talent in Construction ♥

The Future of Construction Stage | 30 mins ●

The presentation will cover: Skills shortages - current and future projections How to skill proof your business Training Needs Analysis The war on talent, how to attract and retain

Tash Taylor, Workforce Development and Industry Participation Manager - Laing O'Rourke

12:20

Future of Construction ♥

Sydney Build Main Stage | 20 mins ●

Andrew will use examples from his work at the University of Sydney, Laing O'Rourke and elsewhere to explore the changes coming to the profession and to the practice of engineering as a whole. This inc ...

Andrew Harris, Director, Technical Futures and Engineering Excellence Group - LAING O'ROURKE

12:30

Building Big Trees into Urban Environments Yields ♥

Fire Compliance for Walls – The Importance of Large ♥

Making the Rail Link Sustainable ♥

Big Benefits

CIVENEX | 30 mins ●

Big trees deliver more shade, mitigate more heat, trap more airborne pollution, slow more stormwater discharge and deliver more amenity and mental health benefits than small trees Creating suitable si ...

William Murray, Arborist Public Tree Management - Wollongong City Council

Scale Testing

Sustainability & Safety Stage | 30 mins ●

Robert Merjane, Specification Sales Engineer - Dincel Structural Walling

Patrick Motteram, Technical specialist – Fire testing - Warringtonfire

Sydney Transport Stage | 30 mins ●

Infrastructure and transport significantly contribute to global carbon emissions. Sustainably built and operated transport infrastructure is no longer nice to have – Its now a must have . Sustainabili ...

Paul Davies, General Manager, Market Capability - Infrastructure Sustainability Council of Australia (ISCA)

BIM Policy and The Impact of The International Standard ISO19650 in Australia ♥

The BIM Stage | 30 mins ●

The release of the international BIM standard in 2018 has caused some major excitement in the Construction industry in Australia and already this has begun to influence Australian Government and assoc ...

Rebecca De Cicco, Director - Digital Node

Reality Capture of Construction Sites: Opportunities, Challenges and Future Directions ♥

The Digital Construction Stage | 30 mins ●

The opportunities available at the moment in the market for capturing data on construction sites and producing actionable insights The current challenges of reality capture for the construction indust ...

Bringing the HUMAN Into Every Site ♥

The Future of Construction Stage | 30 mins ●

Learn about the 5 proven critical factors that will help you create a human centred safety culture where not only everyone thrives, but they thrive safely. Discover the latest in neuroscience research ...

Deborah Keep, Safety Culture and Leadership Specialist - deborahkeep.com

12:40

Presentation from Edgewater Homes by Henley Properties ♥

Sydney Build Main Stage | 20 mins ●

Timothy Reid, State Manager - Edgewater Homes by Henley

13:00

Partner Presentation ♥

CIVENEX | 30 mins ●

Rhetoric Vs Reality ♥

Sustainability & Safety Stage | 30 mins ●

Rhetoric Vs Reality in safety The prevalence of tokenistic measures and fixes Importance of investing in workers mental and physical health How do we really measure safety performance?

Robbie Hoade, Safety Lead - Tunnelling - CPB Contractors

Presentation from Architectural Glass Louvre Company ♥

Sydney Build Main Stage | 20 mins ●

Gareth Winstanley, Director - Architectural Glass Louvre Company

Growing Role of Technology in Infrastructure Projects ♥

Sydney Transport Stage | 30 mins ●

Pascal Labouze, Executive Director of Operational Systems - Transport for NSW

The Next BIM Revolution: Client Lead Project Requirements ♥

The BIM Stage | 30 mins ●

- New National Standard documents and the implications to project delivery.
- Government Mandates and the implications to the future projects.
- What can the client sector learn from the steps already taken by their design and construction partners?

Scott Crichton, Project BIM Manager - Architecture BVN

Digital Construction, Implementation on Site ♥

The Digital Construction Stage | 30 mins ●

- How do we provide access to the digital information on site? - What stakeholders are involved to validate our BIM? - What lessons are we applying to future projects? - What benefits are we seeing fo ...

Matthew Fern, Digital Engineering Manager - Stowe Australia Pty Ltd

Aboriginal Participation In Construction Policy – Implementation Made Easy! ♥

The Future of Construction Stage | 30 mins ●

Reconciliation Action Plans Creating Shared Value in Project Supply Chain. At its core reconciliation is about building respectful relationships between Aboriginal and Torres Strait Islander people an ...

Kathryn Bunn, Senior Project Manager - APP Corporation Pty Ltd

13:20

Title – 15 years of ESD – A Design Manager's Perspective

Sydney Build Main Stage | 20 mins ●

2005 – Global/ local context, what ESD looked like, what was everyone was getting excited about? 2005 – 2020 – Key events that have shaped the last 15 years 2020 – Today's global/local context, what E ...

Anika Spears, Design Manager - Mutiplex

13:30

Achieving Mutually Beneficial Contract Outcomes

CIVENEX | 30 mins ●

The benefits of a balanced contract without reasonable contract administration requirements Understand what may not always be expressly drafted into the contract – statute, common law and policy consi ...

Sunil Sivarajah, General Counsel, Resources and Urban Infrastructure - Broadspectrum Group

Shaun Clifford, Legal Counsel, Resources and Urban Infrastructure - Broadspectrum Group

Defects in Concrete and Service Life – New Technologies and Advancements in Concrete Repair and Protection

Sustainability & Safety Stage | 30 mins ●

The construction industry has recently been witnessing ever-increasing expectations for its design service life. Accelerated deterioration due to defects of most of the buildings during the first ten ...

Hamid Khan, Immediate Past President - Australasian Concrete Repair Association (ACRA)

Delivering the Infrastructure of the Future

Sydney Transport Stage | 30 mins ●

Melbourne has been chosen as the first international test city for Uber Air. It is anticipated that within the next few years small electric flying taxis will get approval to operate. Skyportz is buil ...

Clem Newton-Brown, Founder of Skyportz / Former Member of Victorian Legislative Assembly - Skyportz

Design and Construction: What are the Pros and Cons with BIM for Residential Work

The BIM Stage | 30 mins ●

Live demo: Advancement in technology with 3D plans and estimating Client communication & sales Workflow management from concept to completion Contractor communication Efficiencies gained via technolog ...

Andrew Dwight, Director - AAD Build

Panel Discussion: Digital Transformation

The Digital Construction Stage | 30 mins ●

The need for systems leadership to drive digital transformation in a complex stakeholder environment The need for digital/data standards supporting interop3erability and cyber security What is the opp ...

Ton Dijkgraaf, Digital Strategy and Innovation Leader - GHD

Amer Hijazi, PhD Research Candidate - Centre for Smart Modern Construction | Western Sydney University

Matt Drake, Digital Engineering Manager - John Holland

Nidhi Sharma, Digital Design Delivery Lead | DE Manager on Projects | Studio BIM Manager - GHDWoodhead | GHD SOC

Brad Shales, Studio BIM Manager - Nettletontribe

Quan Nguyen, Digital Engineering Manager - Downer

Reconciliation in Construction Panel Discusssion

The Future of Construction Stage | 45 mins ●

Christine Morgan, CEO - National Mental Health Comission

Michael Manikas, General Manager - DLG Shape

Danny Lester, Deputy Ombudsman, Aboriginal Programs - NSW Ombudsman

Peter Morris, General Manager, Reconciliation Action Plan (RAP) program - Reconciliation Australia

13:40

A New Kind of All-in-One - a Place You Can't Ignore

Sydney Build Main Stage | 20 mins ●

Create a script that consumers have written, not a mood board Public realm – the new anchor Embrace the new competitive landscape with scalable initiatives People spend money where they spend their ti ...

Frank Alvarez, Director - Ignite

14:00

DCOM Design Process

CIVENEX | 30 mins ●

Gordon Tong, Mechanical & BMS Engineering Manager - Scentre Group

Panel Discussion: What Lies Beneath The Cracks in Opal Tower

Sustainability & Safety Stage | 30 mins ●

Jessey Lee, Development Manager - Australian Engineered Fasteners and Anchors Council (AEFAC)

The Architecture of Networking

Sydney Build Main Stage | 20 mins ●

How do we build relationships today High-rise vs village Architecture that brings people together

Carolina Caponi, Business Development Manager - Koichi Takada Architects

Having a Robot as Your Vale - Using Automated Car Parking Systems to Humanise Urban Developments

Sydney Transport Stage | 30 mins ●

Creating more human spaces in urban developments, by reducing the size of car parks AGV, an innovative technology for fully automated parking Reducing congestion with a fully automated car parking sys ...

Vince Di Costanzo, Managing Director - MHE-Demag Australia

Survey Information Modelling (SIM)

The BIM Stage | 30 mins ●

Scanning and Surveying BIM in the UK vs BIM in Australia Scan-to-BIM and the common misconception

Chris Horner , Modelling Manager - AAM Group

Efficient Construction Subcontractor Management and Payments

The Digital Construction Stage | 30 mins ●

The subject of Nick's presentation is on Efficient Construction Subcontractor Management and Payments. He will be sharing opportunities for Construction Contractors and Subs to improve their workflows ...

Nick Opasinis, Senior Business Development Manager - Payapps

14:15

Panel Discussion: Creating an Inclusive and Diverse Workforce

The Future of Construction Stage | 45 mins ●

Amanda Brown, General Manager, NSW - Women in Design and Construction (WIDAC)

Maria Perera, Director - Stark Industrial Pty Ltd

Presentation from CIOB

The Future of Construction Stage | 30 mins ●

Jennie Baker, Special Counsel - K&L Gates | CIOB

14:20

Global Retail 2020 – Thinking Outside the Box

Sydney Build Main Stage | 20 mins ●

What do you do when your main attraction (or your anchor tenant) is goes dark or loses its relevancy? What is the thinking on community spaces as the new anchor and how can we create experiential dest ...

Phil Schoutrop, Principal / Director - Buchan Group

14:30

A Systems Approach to Medium Term Power Infrastructure Planning

CIVENEX | 30 mins ●

Power Infrastructure is a critical component to the reliable operation of a modern railway. This presentation is provide an example of an system engineering principals applied to the problem of: Gr ...

Defects in the Residential Apartment Sector – Opportunities for an Industry Step Change

Sustainability & Safety Stage | 30 mins ●

Is the lowest common denominator acceptable as the baseline Customer experience is king What assurance are buyers looking for as part of the buying/investing decision

Rod Fehring, Chief Executive Officer - Frasers Property Australia

Presentation from Transurban

Sydney Transport Stage | 30 mins ●

Tricks with Bricks

Implementation of Human Centred Practices

The BIM Stage | 30 mins ●

John Wardle Architects prides itself in working with local and global craftsmen, often these relationships are mutually beneficial and through these dialogs we have adapted our workflows. We will look ...

for Innovation in the Construction Industry

The Digital Construction Stage | 30 mins ●

Construction and Human-Centred Design approach Building the thing right vs building the right thing Virtual and Augmented Reality as a Human-Centred approach in construction

Dilian Gonzalez, Analyst and Product Designer - Laing O'Rourke Engineering Excellence Group

14:40

Presentation from Fender Katsalidis Architects ♥

Sydney Build Main Stage | 20 mins ●

Mark Curzon, Director - Fender Katsalidis Architects

15:00

Presentation from Stark Industries ♥

CIVENEX | 30 mins ●

Maria Perera, Director - Stark Industrial Pty Ltd

Presentation from PNP Group ♥

Sustainability & Safety Stage | 30 mins ●

Marcus Pavlakis, Global Partnership Manager - PNP Group

Design Forecast ♥

Sydney Build Main Stage | 20 mins ●

Architects, planners, and designers have a responsibility to create resilient solutions for our buildings, our economies, and our communities. We address climate change and explore opportunities to cr ...

Nermine Zahran, Architect and Sustainable Design Leader - Gensler

Digital Engineering for the North East Link Project ♥

Sydney Transport Stage | 30 mins ●

Overview on the project Procurement Strategy Digital Engineering Approach

Nicolas Renaudeau, Manager, Digital Engineering - North East Link Project

Enabling BIM in Project Controls ♥

The BIM Stage | 30 mins ●

Challenges during project controls process implementation BIM as a solution Enabling 4D and 5D in Project Controls Challenges for BIM implementation in Project Controls Case Study

Maisara Al Rais, Regional Planning and Project Controls - Lendlease

The Value of Data Driven Automation in Digital Construction ♥

The Digital Construction Stage | 30 mins ●

Investing in Data Quality in the early stages of a project can give you enormous benefits down the line By allowing for rich data in your projects, you can use data to automate many processes which ar ...

Kieran O'Donnell, FME Data Solutions - Locus

Networking Coffee ♥

The Future of Construction Stage | 30 mins ●

15:20

Why Timber? The Story of International House Sydney ♥

Sydney Build Main Stage | 20 mins ●

Tradition to Innovation: Timber's long history as a traditional building material and its evolution to what it is today. Integrated Design Approach: how architecture, structure and sustainability can ...

Dijana Tasevska, Associate Director - Tzannes

15:30

Using Data to Deliver Smart Infrastructure and Improve Customer Experience ♥

Resolving Construction Disputes through ADR: Views from the Chair of Resolution Institute ♥

Why We Need Traffic and Transport Modelling and Why Sydney Needs More of It ♥

CIVENEX | 30 mins ●

Smart infrastructure is changing our lives. As data becomes the new oil, using data to deliver Smart Infrastructure is increasing. The presentation will cover how some of the industries are using da ...

Sandeep Mathur, Program Manager - Transport for NSW

Sustainability & Safety Stage | 30 mins ●

The anatomy of a construction dispute Dispute resolution options Pros and Cons Special insights from an experienced arbitrator and mediator

Russell Thirgood, Chair - Resolution Institute

Sydney Transport Stage | 30 mins ●

The presentation will provide an introduction to traffic and transport modelling, current trends and the future of this industry. It will then provide an insight into the level of traffic and transpor ...

Meysam Ahmadpour, Team Leader - Transport Modelling - SMEC

Data Driven Design and the Impact on Space Planning

The BIM Stage | 30 mins ●

Discover what Data Driven Design (DDD) is and how it is changing the AEC industry; Learn how innovative DDD tools are changing the way architects and engineers work; Get an insight into how Artificial ...

Jeremy Graham, Computational Design Leader - HDR

How to Engage Workers with Safety Through Digital Transformation

The Digital Construction Stage | 30 mins ●

How to simplify safety management through software-driven mobile solutions Increasing efficiency and accuracy by using integrated risk, incident, worker, contractor, chemical and asset modules that sp ...

Anthony Mirenzi - Arventa

Home Sweet Home – Reimagining the Great Australian Dream through Modular Systems

The Future of Construction Stage | 30 mins ●

Modular – What are modern methods of construction? Overview of the current state of the of the modular housing market. Opportunities within the market & potential future technologies we can adopt. The ...

Bill McCorkell, Owner / Director - ArchiBlox

15:40

Adaptive Kinetic Architecture and Collective Behavior: A Dynamic Analysis for Emergency Evacuation

Sydney Build Main Stage | 20 mins ●

Amanda Stanaway, Principal - Woods Bagot

16:00

Presentation from GHD

CIVENEX | 30 mins ●

Tejash Contractor, Technical Director - GHD

Presentation from Society of Construction Law

Sustainability & Safety Stage | 30 mins ●

Towards Low Carbon Skyscrapers

Sydney Build Main Stage | 20 mins ●

· Presents the evidence for and against tall buildings from an environmental perspective · Documents the typical carbon footprint of towers, and outlines why this is so high · Explores how tall bui ...

Philip Oldfield, Associate Professor | Director of the Architecture Program - UNSW

Moruya Regional Airport Runway Strengthening Project – Under Budget and Ahead of Time

Sydney Transport Stage | 30 mins ●

Catalyst for economic development and employment across Eurobodalla. Funded by Council and the NSW & Federal governments. Strategic and detailed planning and communication were critical to the success ...

Carlyle Ginger, Senior Project Engineer - Eurobodalla Shire Council

Digital Engineering is a Lot Like "the Myths of Teen Dating": Everyone Talks About It, Only Some Really Know How to Do...

The BIM Stage | 30 mins ●

What is "Digital Engineering"? Why does "everybody talk about it"? Does everyone "really know how to do It"? So, why does "everyone claim they are doing it"?

Andrew Mehr, Discipline Manager, Digital Engineering, Infrastructure Services - KBR

Applied Research of Geospatial Research Innovation and Development (GRID) UNSW

The Digital Construction Stage | 30 mins ●

3D urban data capture/creation and point cloud enrichment and virtual heritage Simulations within 3D space and tools to assist in emergency management situations 3D Geospatial standards development an ...

Jack Barton, Geospatial Research Innovation and Development (GRID) Lab - University of New South Wales

Prefabricated & Modular Construction in Education Projects

The Future of Construction Stage | 30 mins ●

The presentation will examine: Developing prefabrication techniques. Opportunities, flexibility & sustainability of prefabrication techniques. Case studies: how and why select prefabrication technique ...

Jolyon Sykes, Associate - Hayball

Venkatesh Natarajan, Design Technology lead - Hayball

16:20

'Disruptions' in Design

Sydney Build Main Stage | 20 mins ●

Everything around us and our daily lives as we know it is getting 'disrupted' by; Climate Change Technology Building methods These disruptions will only become more intense in future How Design can he ...

Sandeep Amin, Managing Director - DesignInc Sydney

16:30

Supplemental Damping to Optimise Structure, NLA, and Construction

CIVENEX | 30 mins ●

Brief introduction to wind-induced building motion Introduction to various supplemental damping technologies available Application to modular construction Optimisation of structures through incorporat ...

Mike Pieterse, Project Manager - RWDI

Cladding and Building Compliance – Current Challenges

Sustainability & Safety Stage | 30 mins ●

What architects, builders & developers must know about: Weatherproofing Energy Fire

Kingsley Lunt, Manager Building Surveying - Hendry

The Impact of Fatigue on the Transport Task

Sydney Transport Stage | 30 mins ●

Fatigue is all the way from the steering wheel, to the board room Drivers, loaders, schedulers, planners, owners & operators alike are all affected Driver, vehicle, mechanical, loading, are all keys r ...

Phillip Brooks, Stakeholder Manager - NSW Police Traffic & Highway Patrol Command

BIM Technology and its Integration in Design

The BIM Stage | 30 mins ●

The stages from design to construction, and the role in which BIM can play in each Hidden 'dangers' and recurring patterns of an over-reliance on BIM Integrating traditional methods of design into mod ...

Zoe Lou, Graduate Architect - Fender Katsalidis

Digital transformation: the case of the application of drones in construction

The Digital Construction Stage | 30 mins ●

DfMA & Modular Construction

The Future of Construction Stage | 30 mins ●

What is DfMA? Why DfMA & Modular Construction? The need for a code of practice. DfMA & Modular Construction is not just for buildings.

Angus McFarlane, Structural Engineering Leader - Laing O'Rourke

16:40

Circular Economy in Construction: From Principles to Practice

Sydney Build Main Stage | 20 mins ●

What is circular economy? How can it be applied to the design, construction and operation of buildings? What are the barriers and opportunities to implementation.

Andrew Pettifer, Principal | NSW Region Leader - Arup

17:00

3D Printing in Construction is the Future

CIVENEX | 30 mins ●

How to Avoid/Minimise Non-Conformance and Defects

Creating Inclusive and Connected Places

Sydney Build Main Stage

Introduction, we will cover the history of 3D Printing and how we as humans developed this particular technology. How I got involved in this technology and what I currently working on and do with this ...

Basel Atatreh, Project Engineer - Hansen Yuncken

Sustainability & Safety Stage | 30 mins ●

Lessons Learnt – Never make the same mistake again Peer review and review of critical details – Identify and find alternative solutions by discussing with experts Simple buildable detailing avoids Non ...

Shan Kumar, National President - Concrete Institute of Australia

| 20 mins ●

In an increasingly disconnected world, how do we create inclusive and welcoming places? What does it mean to create places that connect to Country and how can our cities foster greater awareness and s ...

Annie Tennant, General Manager, Sustainability and Culture, Barangaroo South - Lendlease

Presentation from Solutions of Transport ♥

Sydney Transport Stage | 30 mins ●

Dan Sullivan, Executive Officer - Solutions in Transport

BIM in Prefabrication and Modular Building ♥

The BIM Stage | 30 mins ●

3D Printing of Buildings: Construction of the Sustainable Houses of the Future by BIM ♥

The Digital Construction Stage | 30 mins ●

17:20

Architects Declare and Pathways to a Regenerative Future ♥

Sydney Build Main Stage | 20 mins ●

Valerie Saavedra Lux, Architect - BVN